SAMSUNG

GSM TELEPHONE

GT-B5722C

SERVICE Manual

GSM TELEPHONE

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6. MAIN Electrical Parts List

SEC CODE	Design LOC	Description
0403-001688	D300	DIODE-ZENER
0406-001231	ZD409	DIODE-ZENER
0406-001286	ZD407,ZD502,ZD503	DIODE-TVS
0406-001288	D500,D501,ZD400	DIODE-TVS
0406-001288	ZD401,ZD403,ZD404	DIODE-TVS
0406-001288	ZD405,ZD406,ZD500	DIODE-TVS
0406-001288	ZD501,ZD504	DIODE-TVS
0406-001293	D100	DIODE-TVS
0505-001325	Q600	FET
0505-002207	U601	FET
0801-003024	U101	IC
1001-001394	U602	IC
1001-001546	U401,U402,U500	IC
1001-001581	U100,U200,U201,U403	IC
1003-002047	U400	IC
1003-002102	U102,U600	IC
1108-000294	UME300	MEMORY
1201-002947	PAM100,PAM600	IC
1203-005728	PMU300	IC
1203-006002	U502	IC
1203-006025	U404	IC
1204-003022	U105	IC
1205-003288	U450	IC
1205-003517	U104	IC
1205-003662	UCP600	IC-MODEM
1205-003682	U103	IC
1205-003853	UCP200	IC-MODEM
1404-001221	TH200	THERMISTOR
2007-000137	R407	R-CHIP
2007-000138	R100,R102,R200,R209	R-CHIP
2007-000138	R413,R414,R417,R505	R-CHIP
2007-000140	C635,R222	R-CHIP
2007-000141	R218,R219,R305,R401	R-CHIP
2007-000141	R402,R410,R411,R450	R-CHIP
2007-000141	R451	R-CHIP
2007-000143	R425	R-CHIP

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SEC CODE	Design LOC	Description
2007-000148	R201,R203,R207,R208	R-CHIP
2007-000148	R212,R301,R308,R406	R-CHIP
2007-000148	R428,R601	R-CHIP
2007-000149	R220	R-CHIP
2007-000152	R309	R-CHIP
2007-000159	R423,R424,R426,R427	R-CHIP
2007-000162	R104,R105,R106	R-CHIP
2007-000164	R412	R-CHIP
2007-000165	R422	R-CHIP
2007-000170	R504,R514	R-CHIP
2007-000172	R101,R511,R512,R605	R-CHIP
2007-000172	R617	R-CHIP
2007-000758	R419	R-CHIP
2007-000932	R604,R606	R-CHIP
2007-001292	R303,R304,R612,R613	R-CHIP
2007-001319	R216,R217	R-CHIP
2007-001333	R108,R211,R213,R415	R-CHIP
2007-001333	R500,R501,R609,R610	R-CHIP
2007-002796	R433	R-CHIP
2007-003015	R103	R-CHIP
2007-003112	R107	R-CHIP
2007-007193	R603	R-CHIP
2007-007573	R300	R-CHIP
2007-007589	R221	R-CHIP
2007-007875	R307	R-CHIP
2007-007981	R306	R-CHIP
2007-008354	R223,R302	R-CHIP
2007-008780	R521	R-CHIP
2203-000254	C135,C212	C-CER,CHIP
2203-000278	C314,C607	C-CER,CHIP
2203-000311	C341	C-CER,CHIP
2203-000386	C118,C333,C336,C407	C-CER,CHIP
2203-000386	C409,C622	C-CER,CHIP
2203-000425	C500,C503,C527,C528	C-CER,CHIP
2203-000438	C132,C137,C203	C-CER,CHIP
2203-000725	C417	C-CER,CHIP

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SEC CODE	Design LOC	Description
2203-000812	C113,C123,C143,C144	C-CER,CHIP
2203-000812	C214,C216,C432,C434	C-CER,CHIP
2203-000812	C435,C436,C504,C505	C-CER,CHIP
2203-000812	C623,C628,C639,C640	C-CER,CHIP
2203-000854	C211,C313	C-CER,CHIP
2203-000995	C105,C502,C608	C-CER,CHIP
2203-001153	C408,C410	C-CER,CHIP
2203-001239	C405,C406	C-CER,CHIP
2203-003054	C517,C518,C526	C-CER,CHIP
2203-005050	C111,C112	C-CER,CHIP
2203-005052	C626	C-CER,CHIP
2203-005234	C121,C124,C125,C127	C-CER,CHIP
2203-005281	C115,C116,C122,C145	C-CER,CHIP
2203-005281	C151,C152,C627,C629	C-CER,CHIP
2203-005281	C630,C631	C-CER,CHIP
2203-005288	C133	C-CER,CHIP
2203-005395	C129	C-CER,CHIP
2203-005446	C130,L102	C-CER,CHIP
2203-005483	C221	C-CER,CHIP
2203-005552	C114,C117	C-CER,CHIP
2203-006048	C200,C201,C204,C206	C-CER,CHIP
2203-006048	C208,C213,C312,C319	C-CER,CHIP
2203-006048	C328,C334,C345,C346	C-CER,CHIP
2203-006048	C403,C404,C411,C412	C-CER,CHIP
2203-006048	C418,C419,C450,C501	C-CER,CHIP
2203-006048	C522,C606,C609,C610	C-CER,CHIP
2203-006048	C611,C612,C618	C-CER,CHIP
2203-006123	C205,C207	C-CER,CHIP
2203-006137	C119,C131	C-CER,CHIP
2203-006208	C600,C602	C-CER,CHIP
2203-006260	C104,C138,C139,C323	C-CER,CHIP
2203-006260	C324,C325,C326,C332	C-CER,CHIP
2203-006324	C301	C-CER,CHIP
2203-006348	C342,C508	C-CER,CHIP
2203-006399	C134,C136,C140,C147	C-CER,CHIP
2203-006399	C148,C149,C150,C209	C-CER,CHIP

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SEC CODE	Design LOC	Description
2203-006399	C210,C300,C302,C303	C-CER,CHIP
2203-006399	C305,C307,C308,C309	C-CER,CHIP
2203-006399	C318,C321,C330,C429	C-CER,CHIP
2203-006399	C510,C511,C512,C519	C-CER,CHIP
2203-006399	C520,C521,C523,C524	C-CER,CHIP
2203-006399	C601,C603,C604,C605	C-CER,CHIP
2203-006562	C202,C215,C219,C304	C-CER,CHIP
2203-006562	C317,C320,C327,C329	C-CER,CHIP
2203-006562	C335,C416,C433,C451	C-CER,CHIP
2203-006562	C513,C514,C516,C525	C-CER,CHIP
2203-006707	C142	C-CER,CHIP
2203-006824	C339,C340,C615,C616	C-CER,CHIP
2203-006838	C146	C-CER,CHIP
2203-006872	C120,C126	C-CER,CHIP
2203-006890	C331,C343	C-CER,CHIP
2203-007271	C515	C-CER,CHIP
2203-007279	C101,C337,C338,C344	C-CER,CHIP
2203-007279	C420,C421,C617,C636	C-CER,CHIP
2203-007317	C315,C316,C322,C632	C-CER,CHIP
2404-001377	TA400,TA401	C-TA,CHIP
2703-001178	C613	INDUCTOR
2703-001180	L106	INDUCTOR
2703-001708	L108	INDUCTOR
2703-001734	L107	INDUCTOR
2703-001748	L112	INDUCTOR
2703-001751	L110	INDUCTOR
2703-002170	L604,L605	INDUCTOR
2703-002176	L105	INDUCTOR
2703-002200	L103	INDUCTOR
2703-002201	L410,L412	INDUCTOR
2703-002204	L606	INDUCTOR
2703-002208	C102	INDUCTOR
2703-002267	C128,L104	INDUCTOR
2703-002269	L100,L421,L422,L600	INDUCTOR
2703-002281	L111	INDUCTOR
2703-002309	L406,L407,L409,L411	INDUCTOR

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SEC CODE	Design LOC	Description
2703-002365	L117	INDUCTOR
2703-002367	C108,C619,L116	INDUCTOR
2703-002543	L109	INDUCTOR
2703-003121	C141	INDUCTOR
2703-003258	L607	INDUCTOR
2703-003260	L300	INDUCTOR
2703-003412	L408	INDUCTOR
2801-004339	OSC300	CRYSTAL
2801-004805	OSC600	CRYSTAL
2801-004893	OSC100	CRYSTAL
2901-001540	F500,F501,F502,F503	FILTER-EMI
2901-001540	F504	FILTER-EMI
2904-001879	F602	FILTER-SAW
2904-001889	F101	FILTER-SAW
2904-001910	F601	FILTER-SAW
2904-001914	F102	FILTER-SAW
2909-001320	F103	FILTER-LC
2911-000132	F600	FILTER-
2911-000144	F100	FILTER-
3301-001158	L601,L603	BEAD
3301-001534	L450	BEAD
3301-001885	L119,L120,L400,L401	BEAD
3301-001885	L402,L403,L505,L506	BEAD
3301-001885	L507,L508,L509,L510	BEAD
3301-001885	L602,R431,R432	BEAD
3705-001503	RFC600,RFS100	CONNECTOR-COAXIAL
3708-002015	HDC400	CONNECTOR-FPC
3709-001456	SIM200	CONNECTOR-CARD EDGE
3709-001593	CD400	CONNECTOR-CARD EDGE
3710-002683	IFC500	SOCKET
3711-005966	HEA502	HEADER
3711-006084	BTC300	HEADER-BATTERY
3711-006865	HEA500	HEADER
4202-001463	ANT102	ANTENNA-CHIP
4302-001180	BAT300	BATTERY
GH70-03349A	SC500,SC501,SC502,SC503, SC504,SC505,SC506	CLIP

Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.

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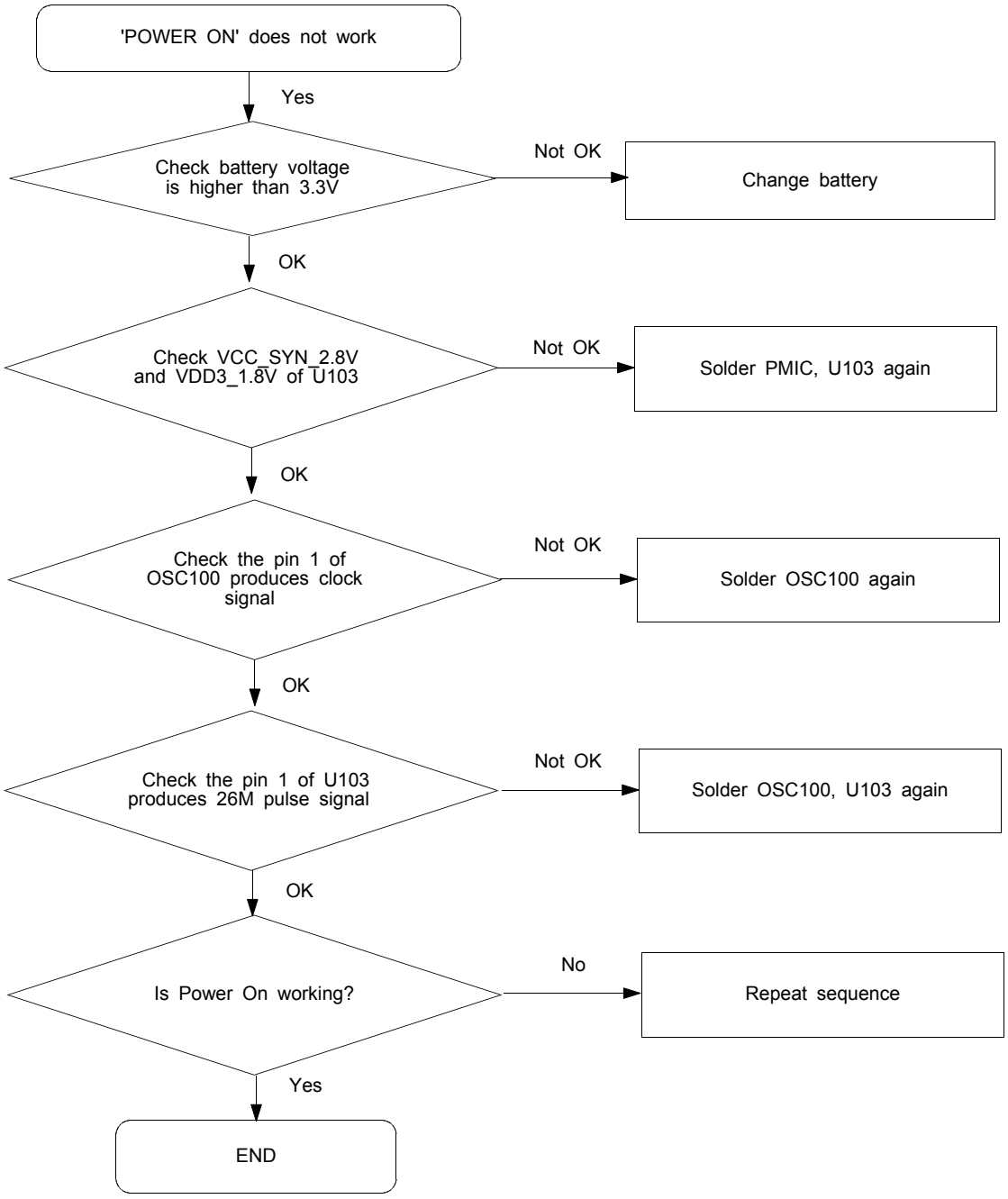
9. Flow Chart of Troubleshooting

9-1. Power On



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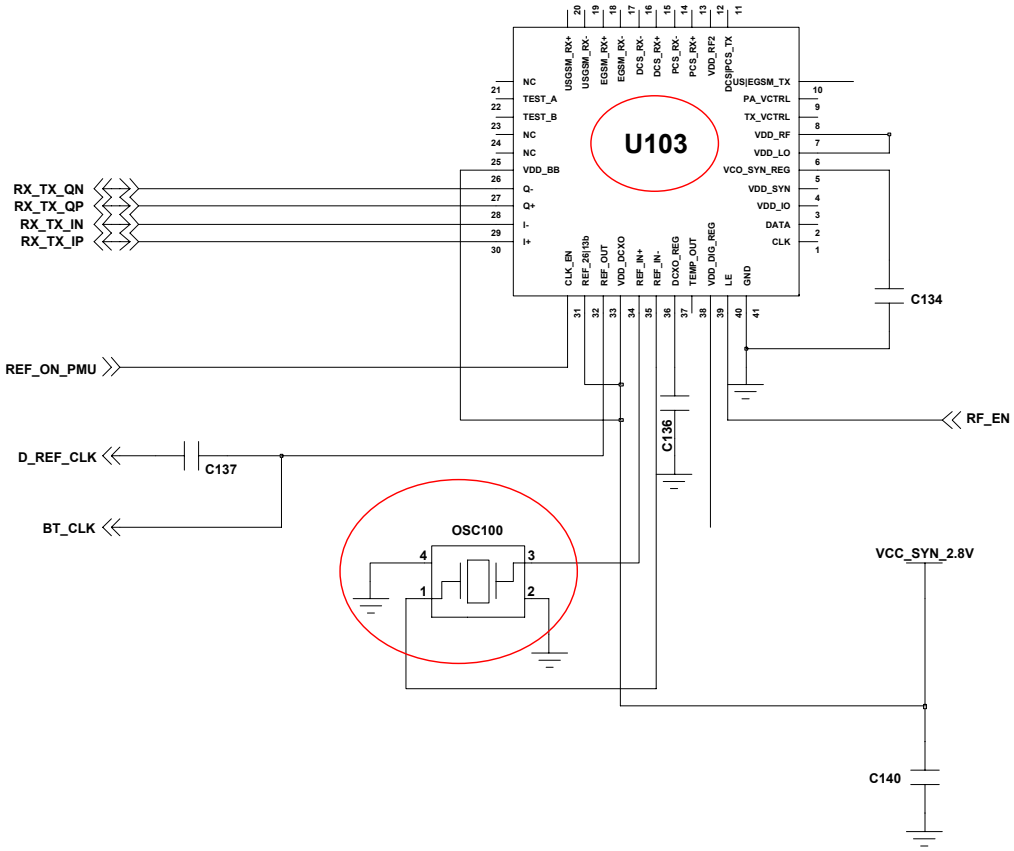
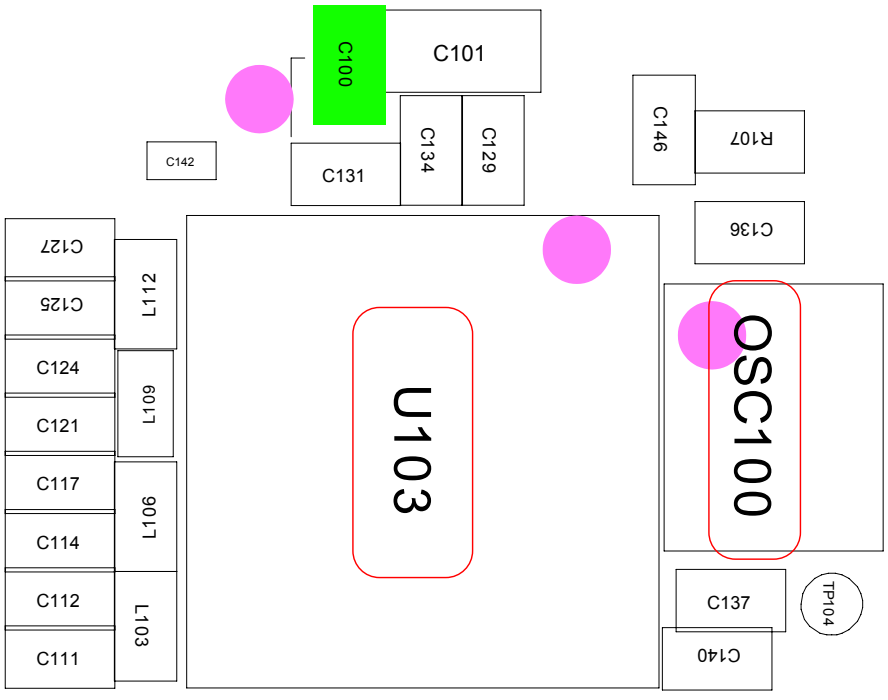
Power On





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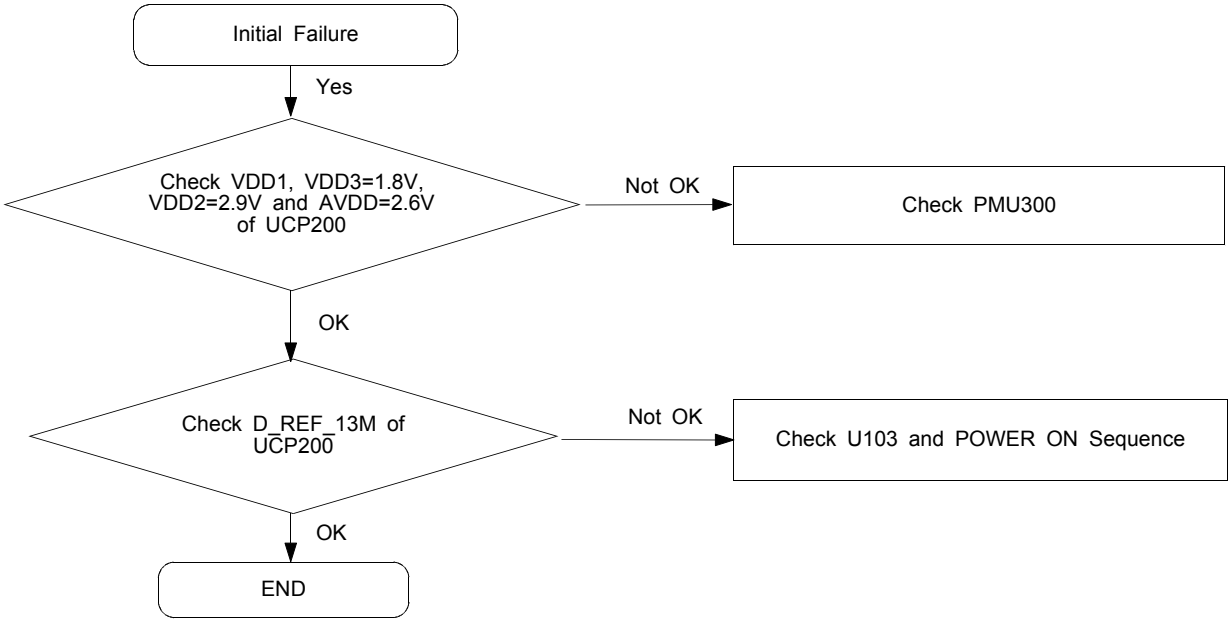
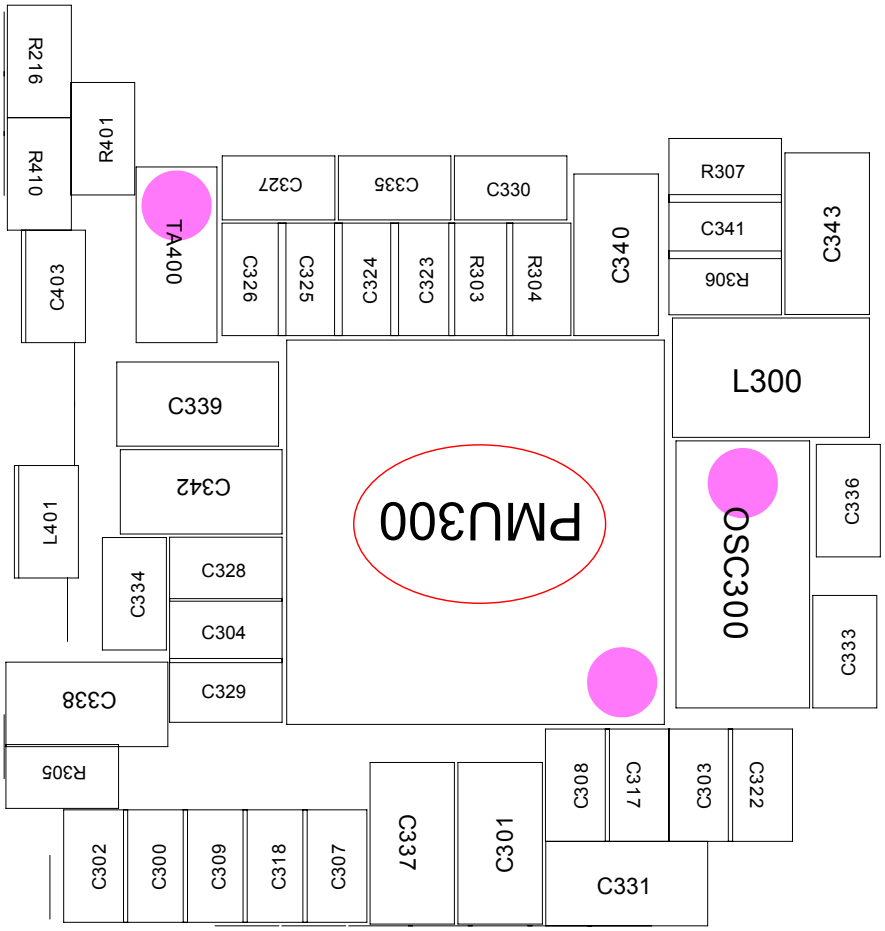
9-2. Initial





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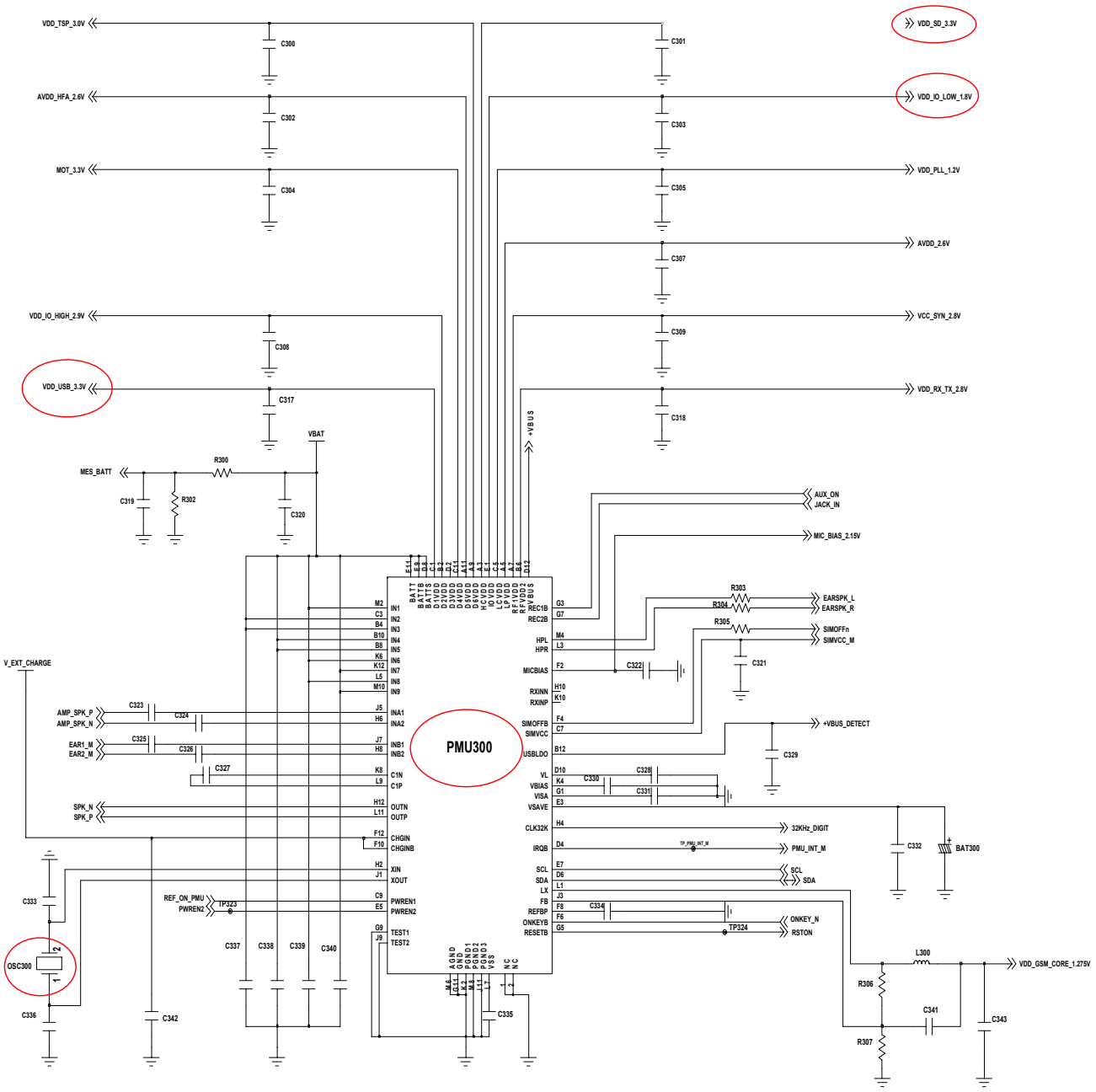

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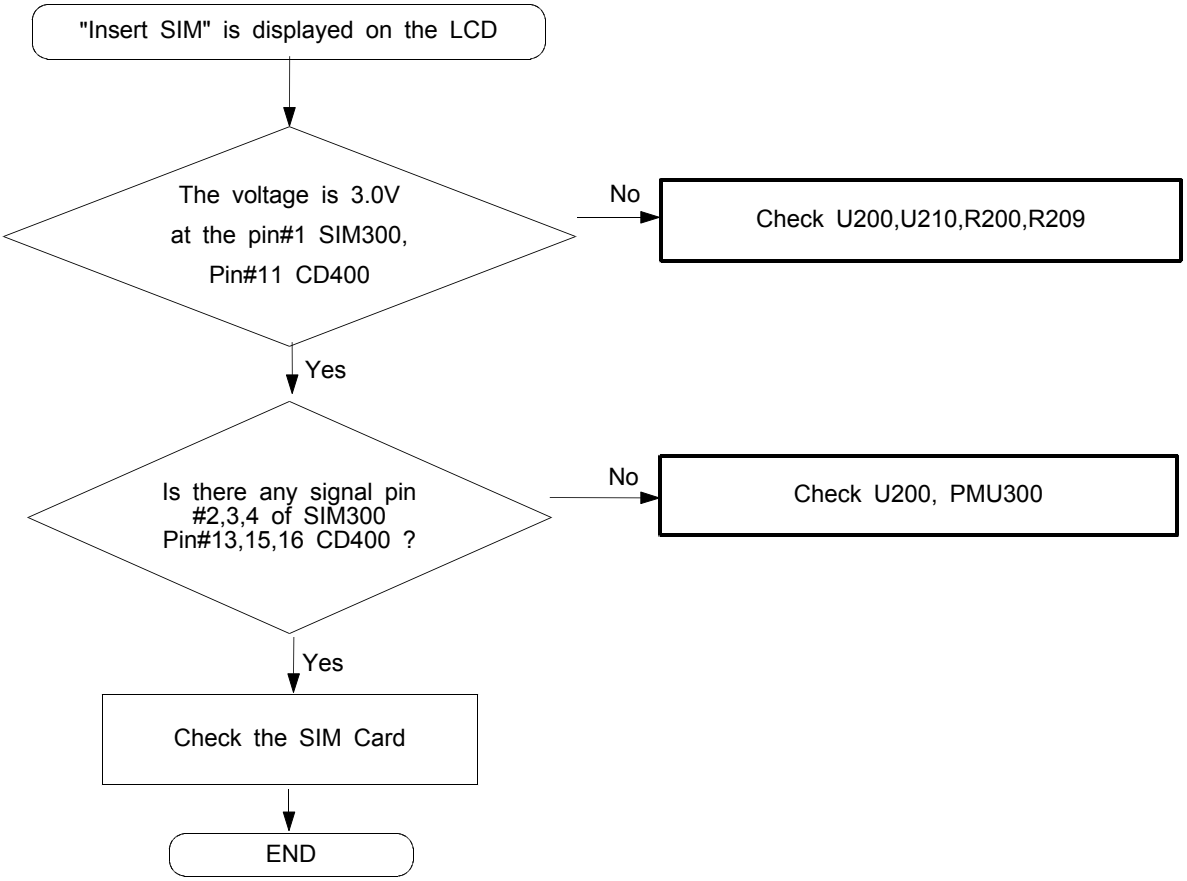
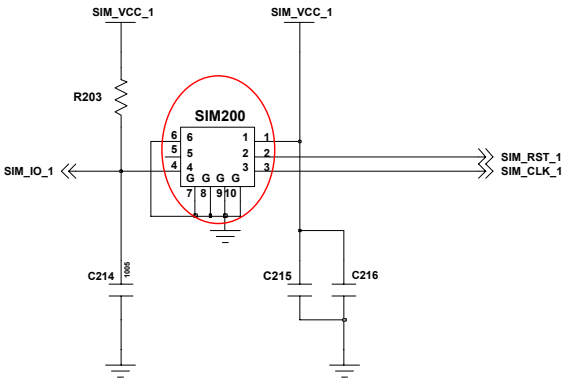
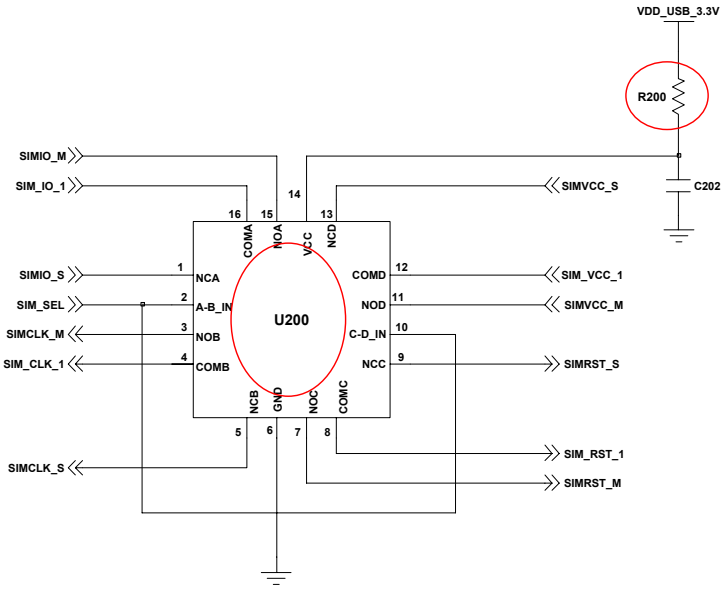
9-3. SIM Part







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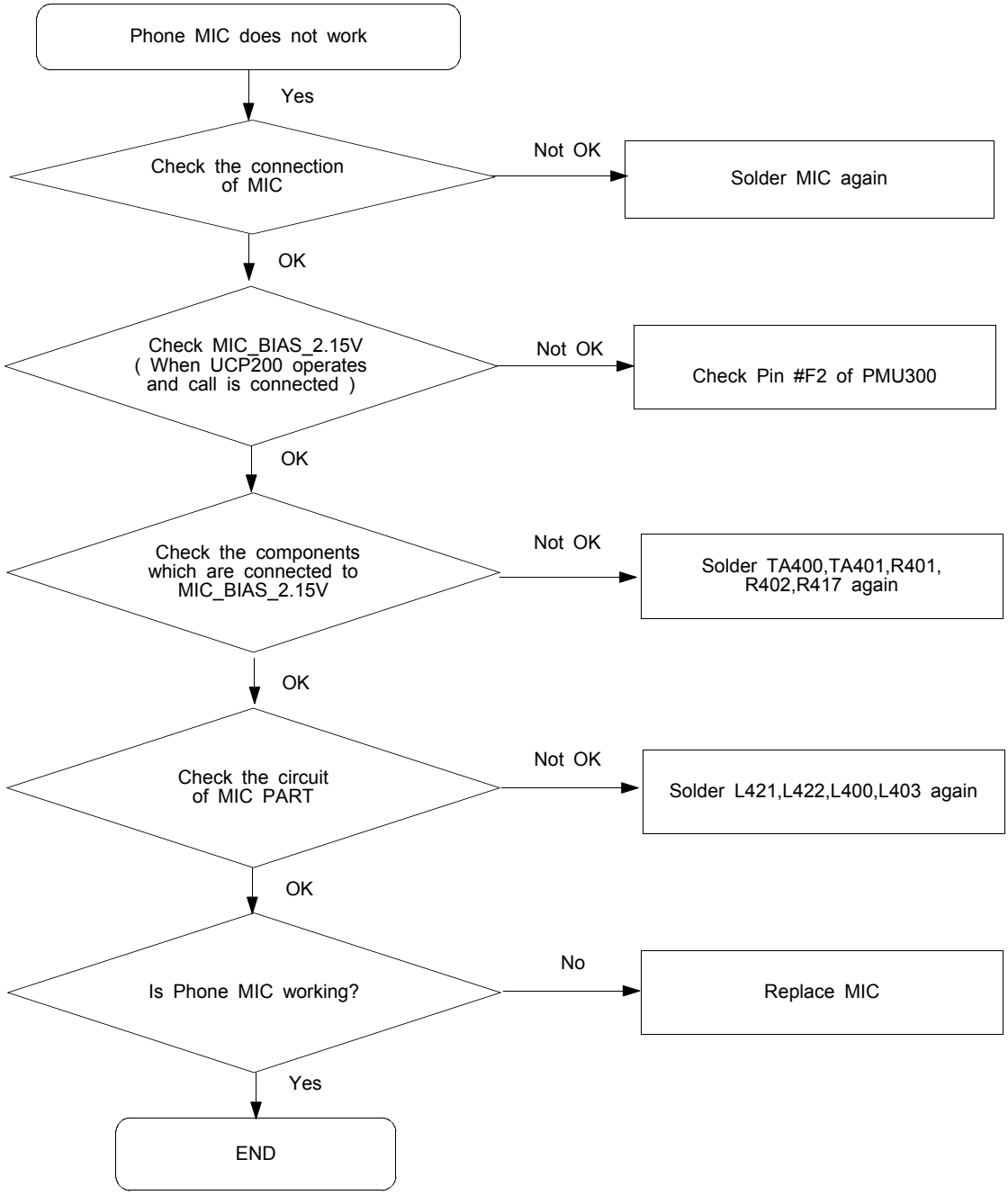
9-4. Microphone Part - Phone MIC



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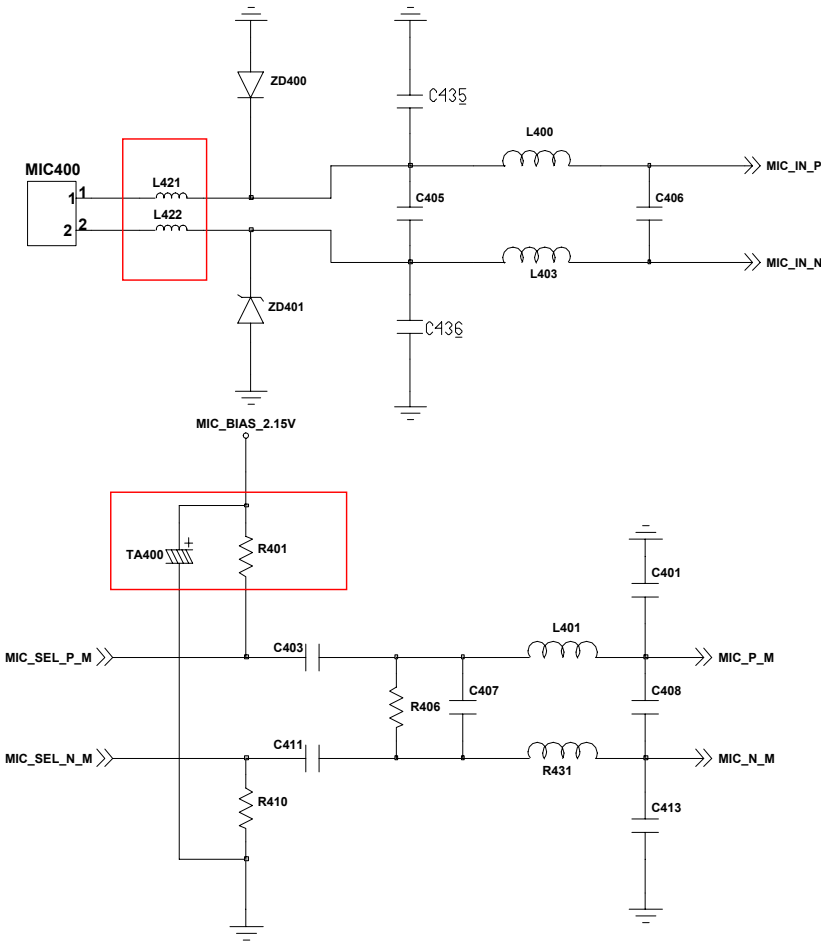

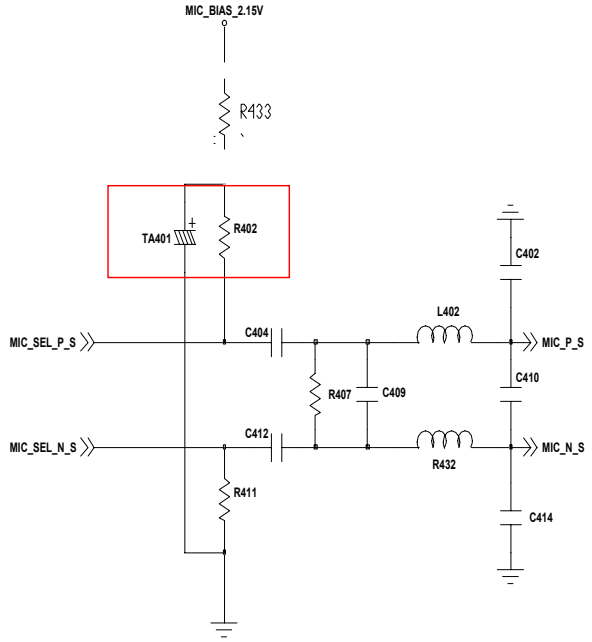

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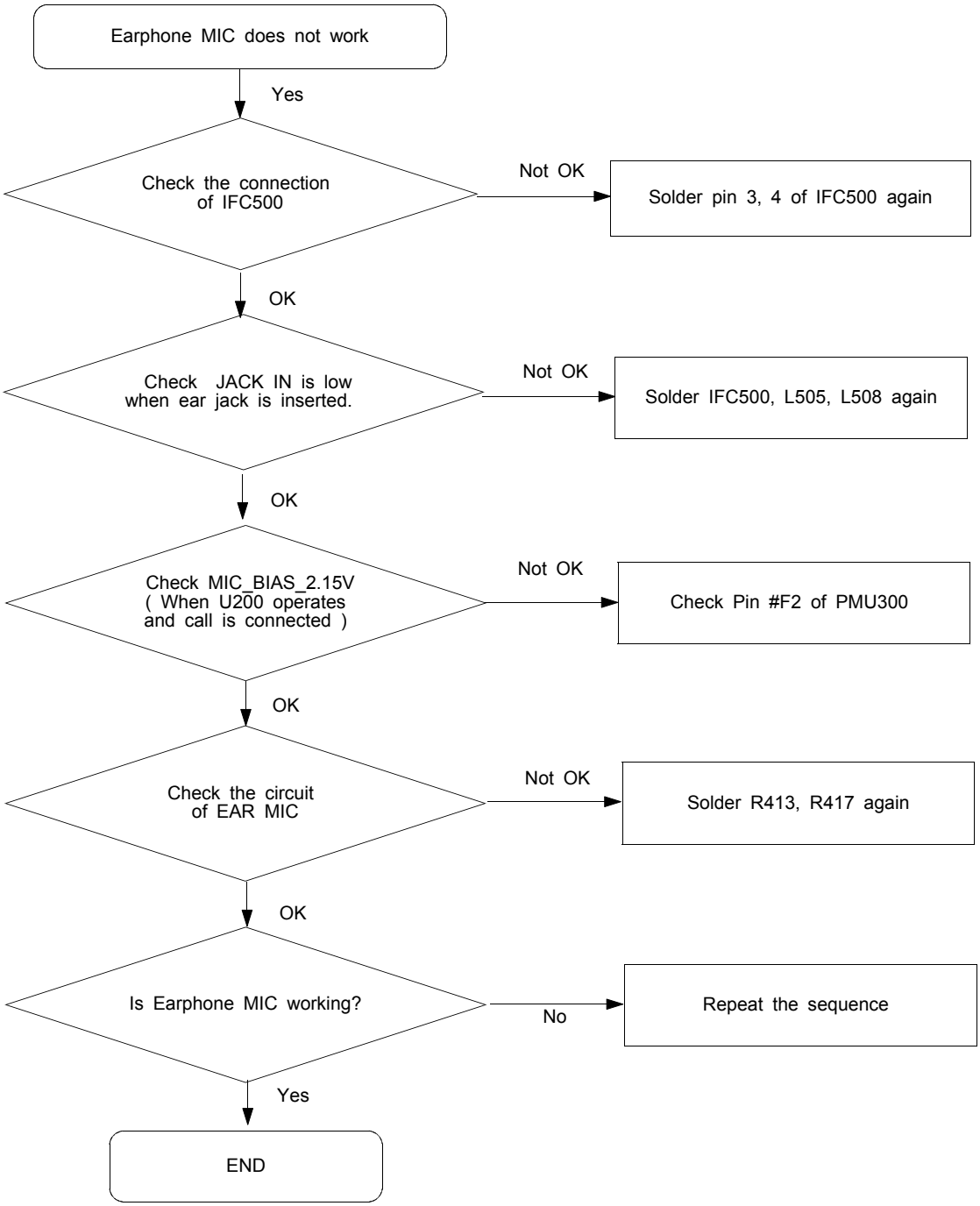
9-5. Microphone Part - Earphone MIC



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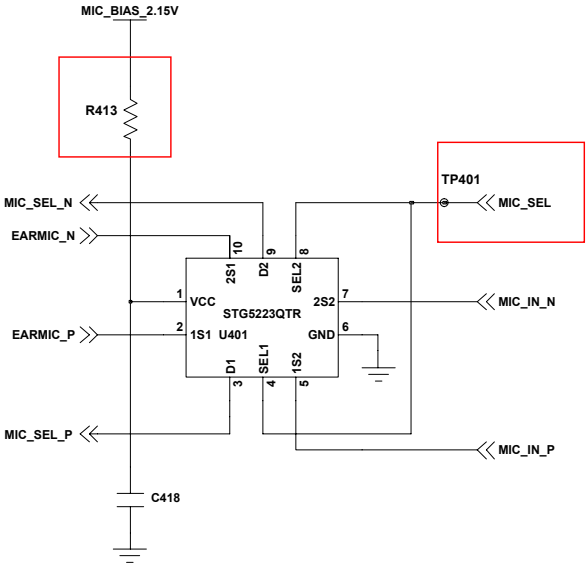

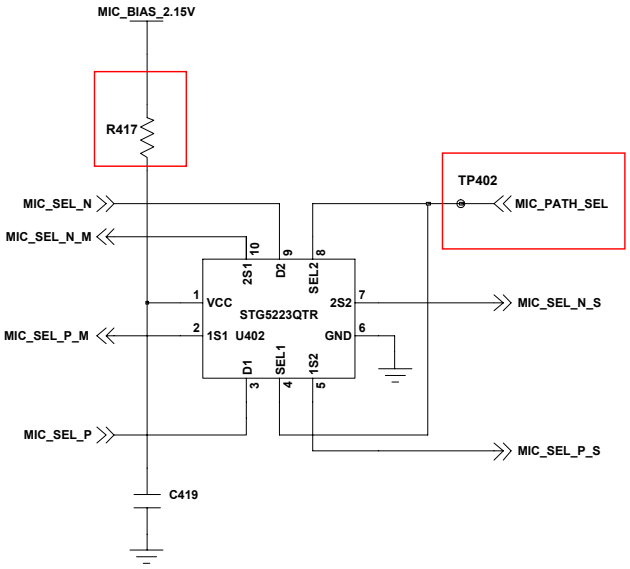

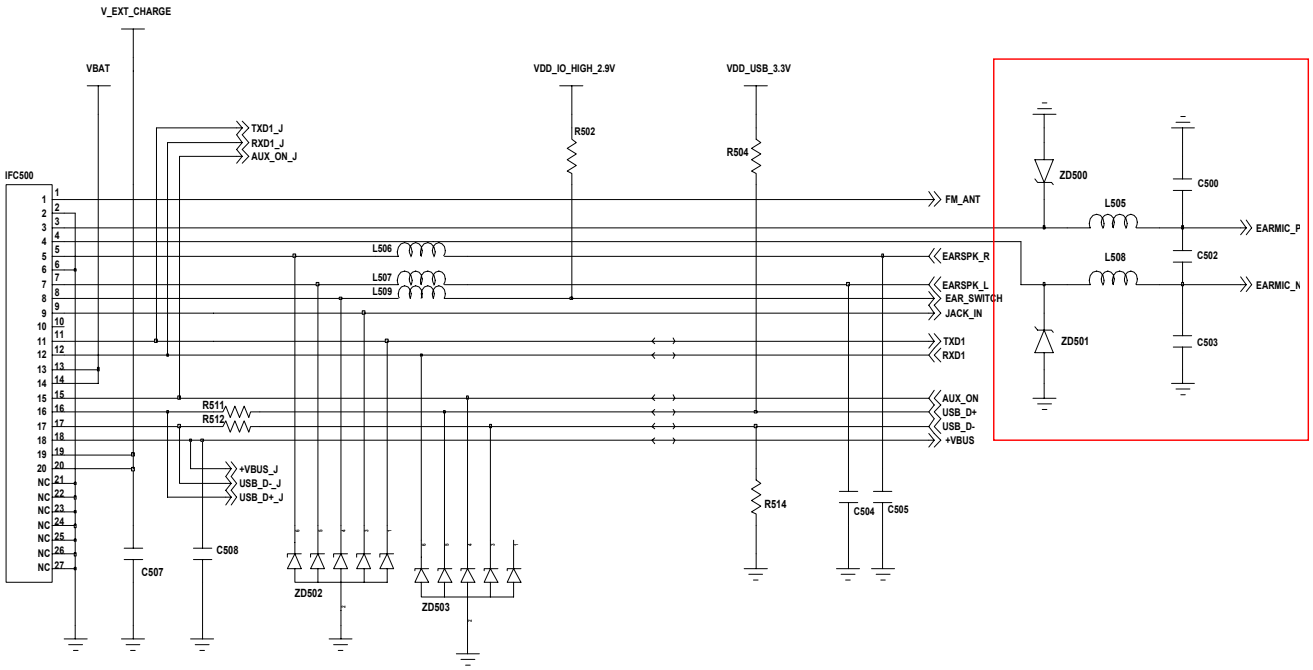

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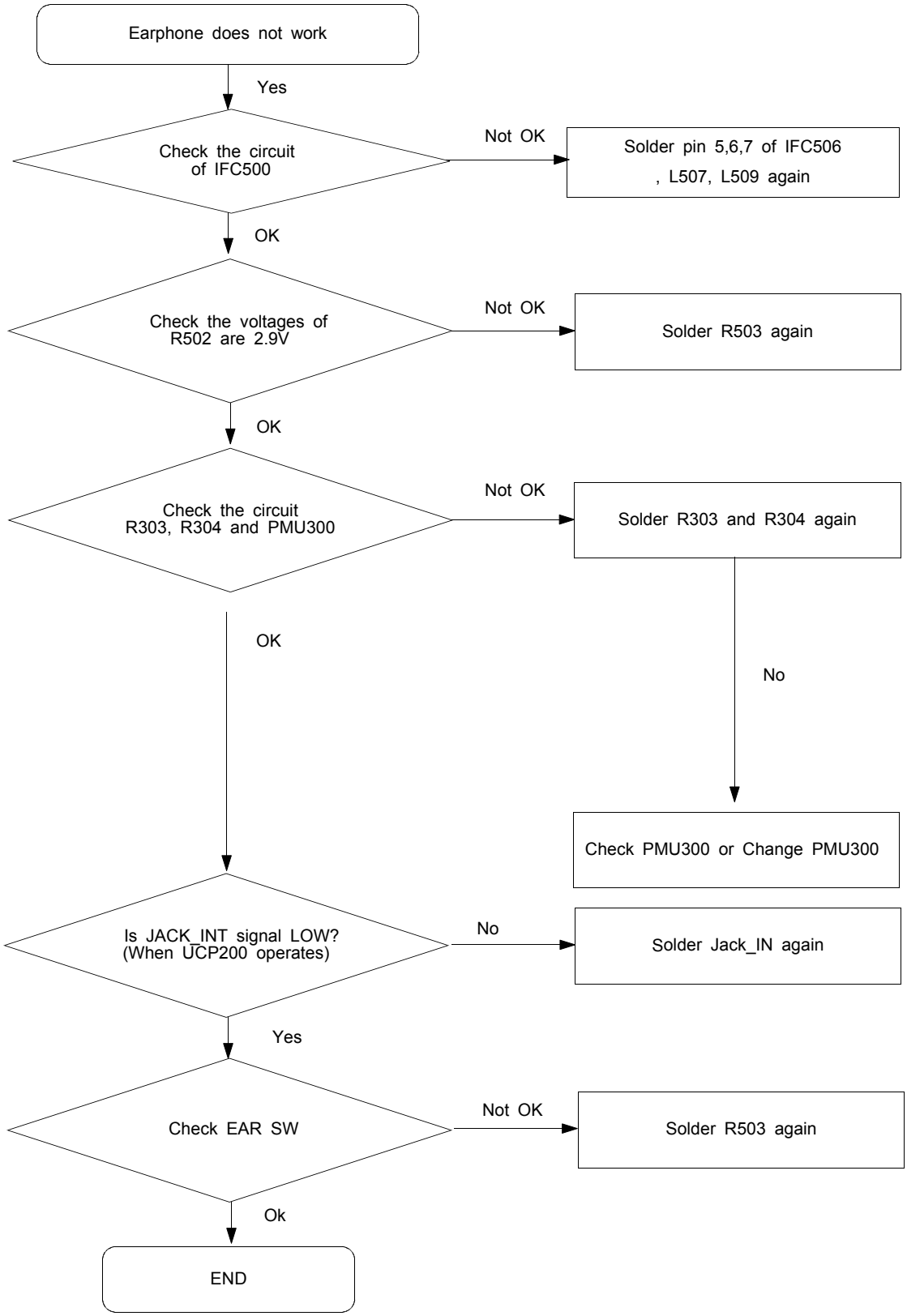
9-6. Earphone Part



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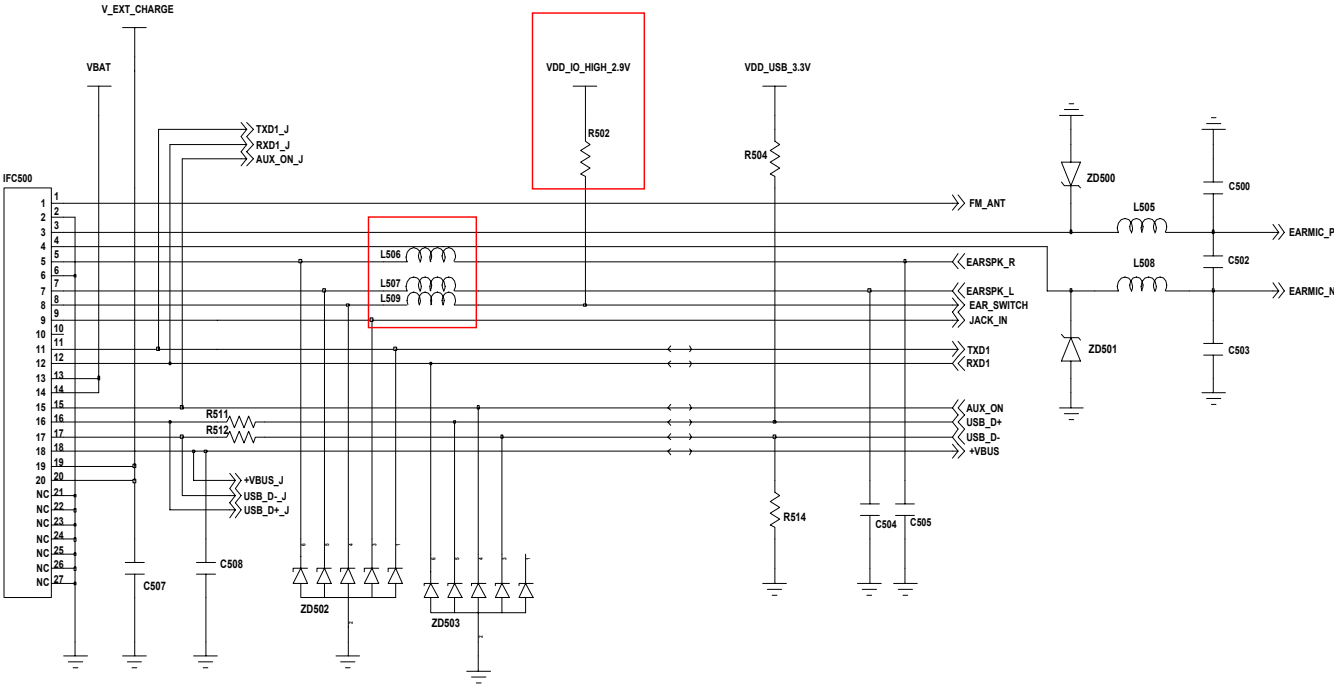

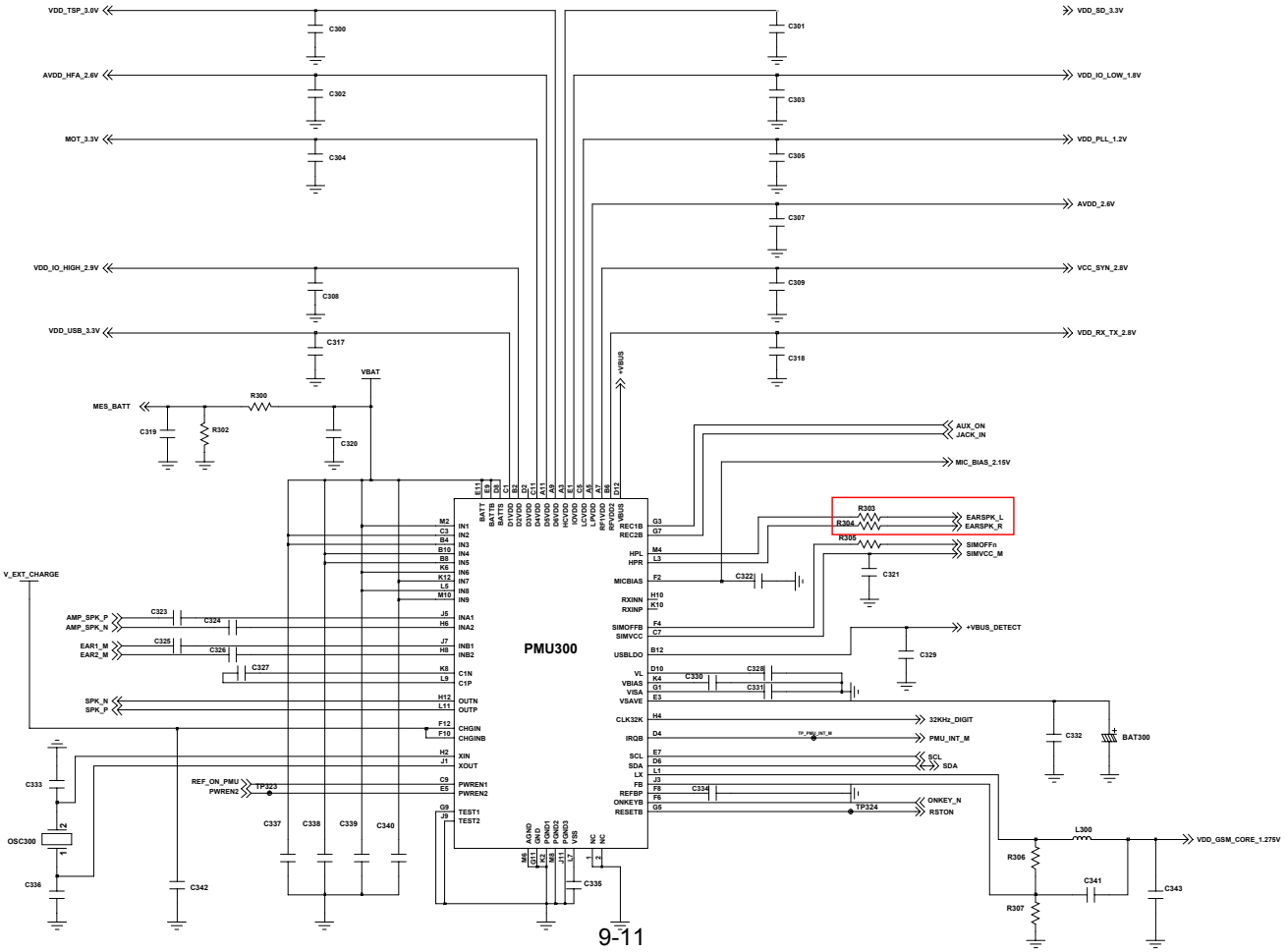

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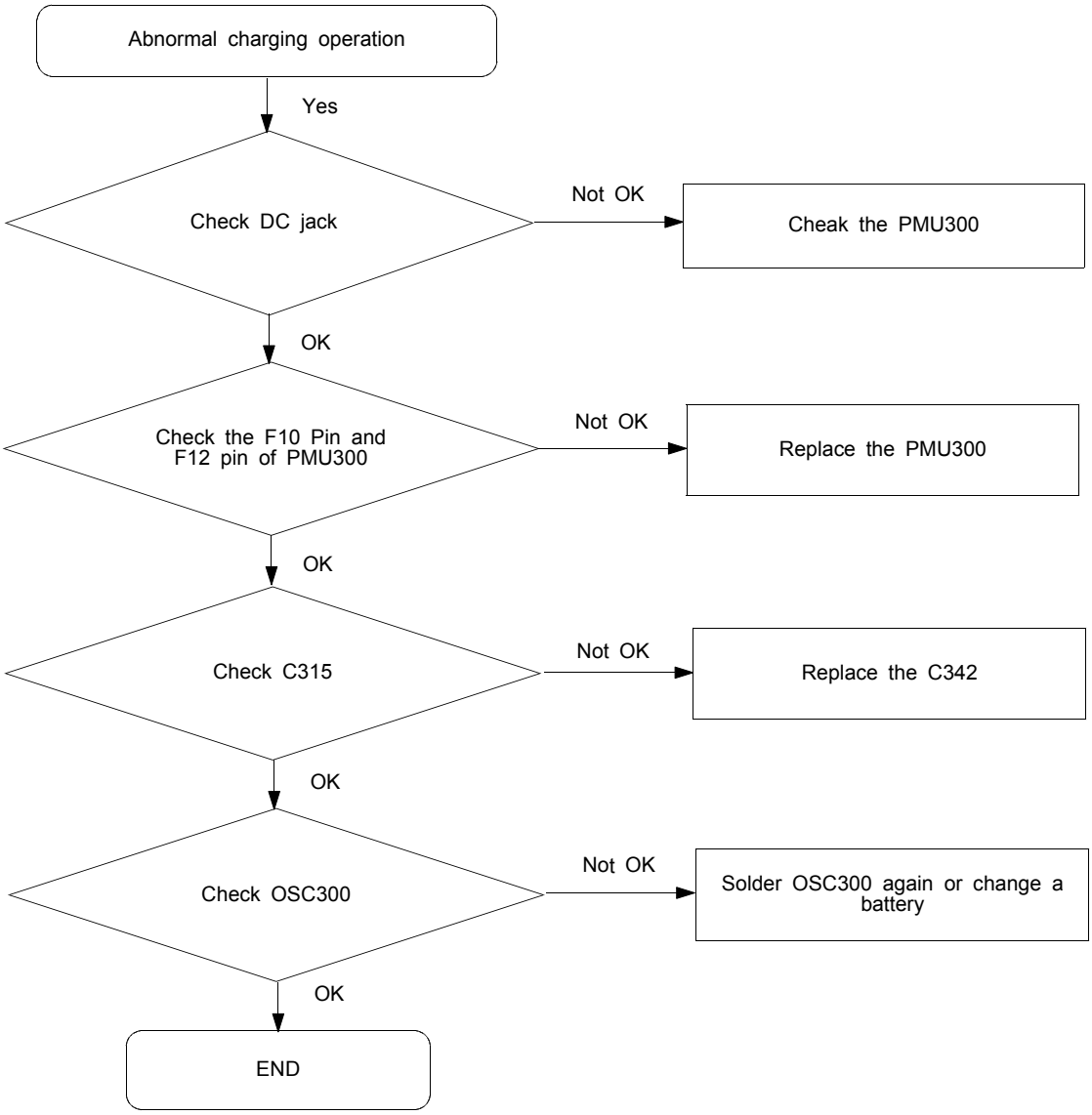
9-7. Charging Part



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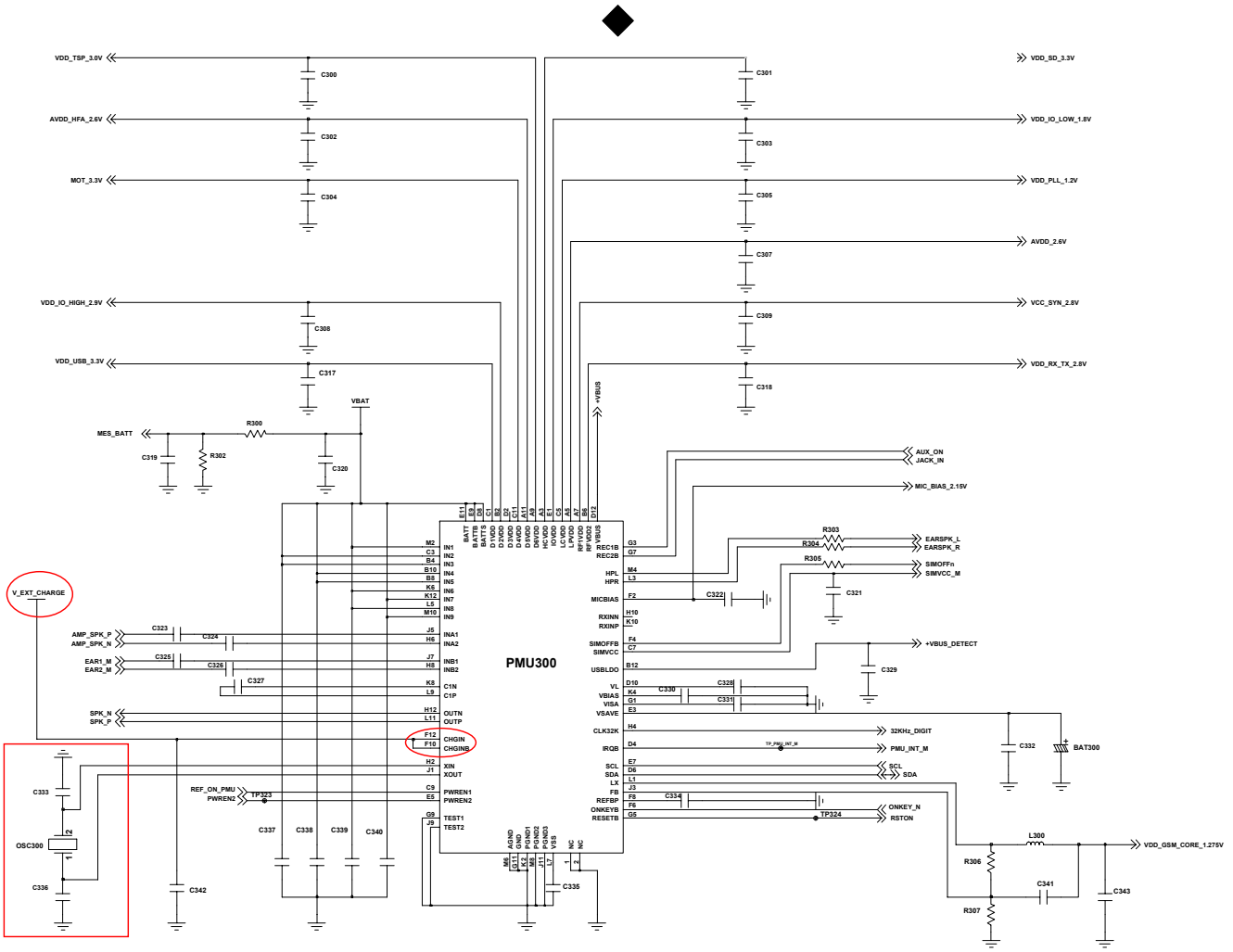

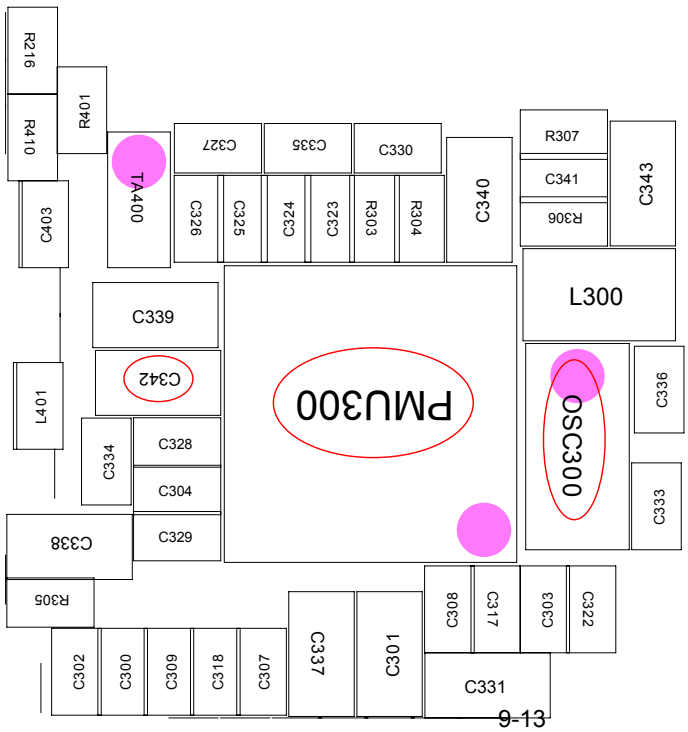

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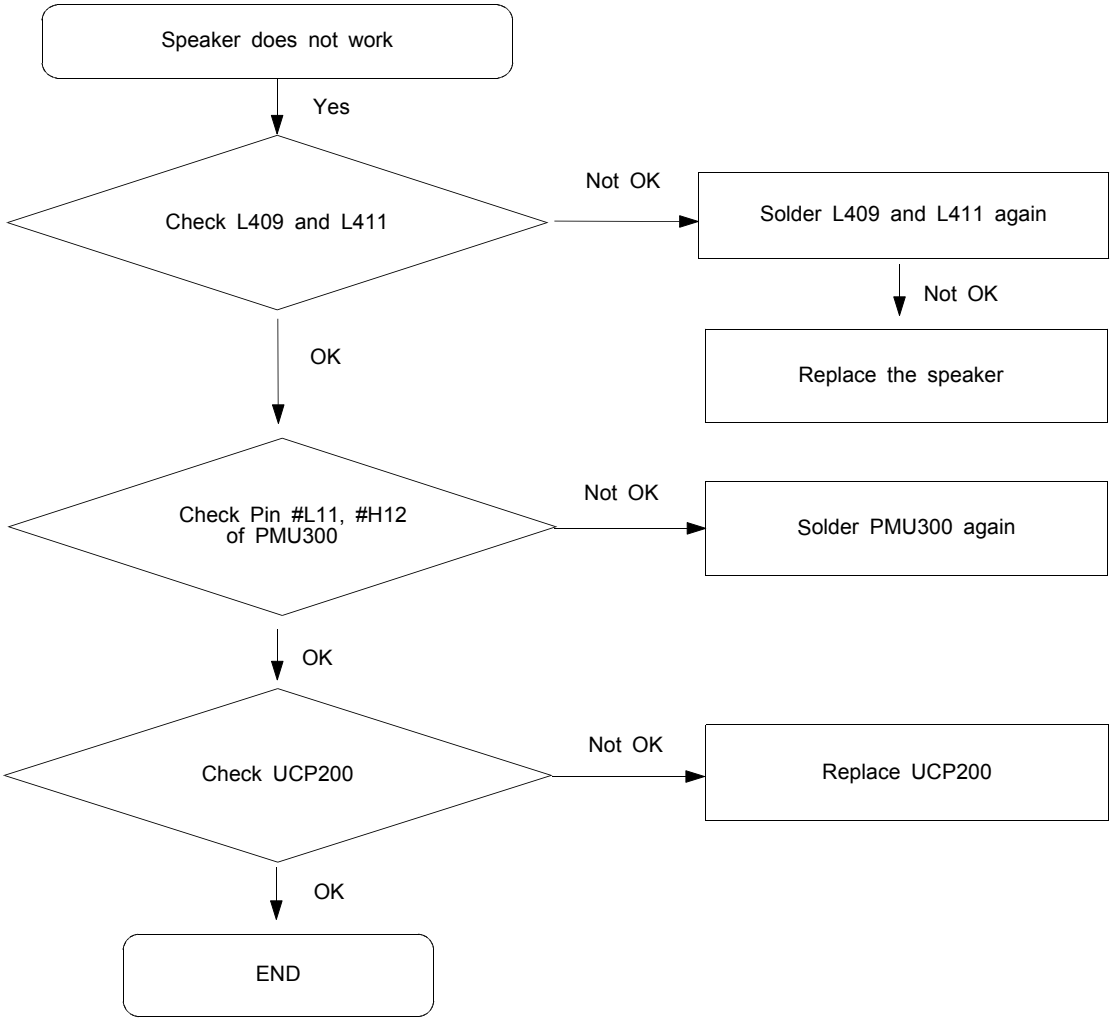
9-8. Speaker Part



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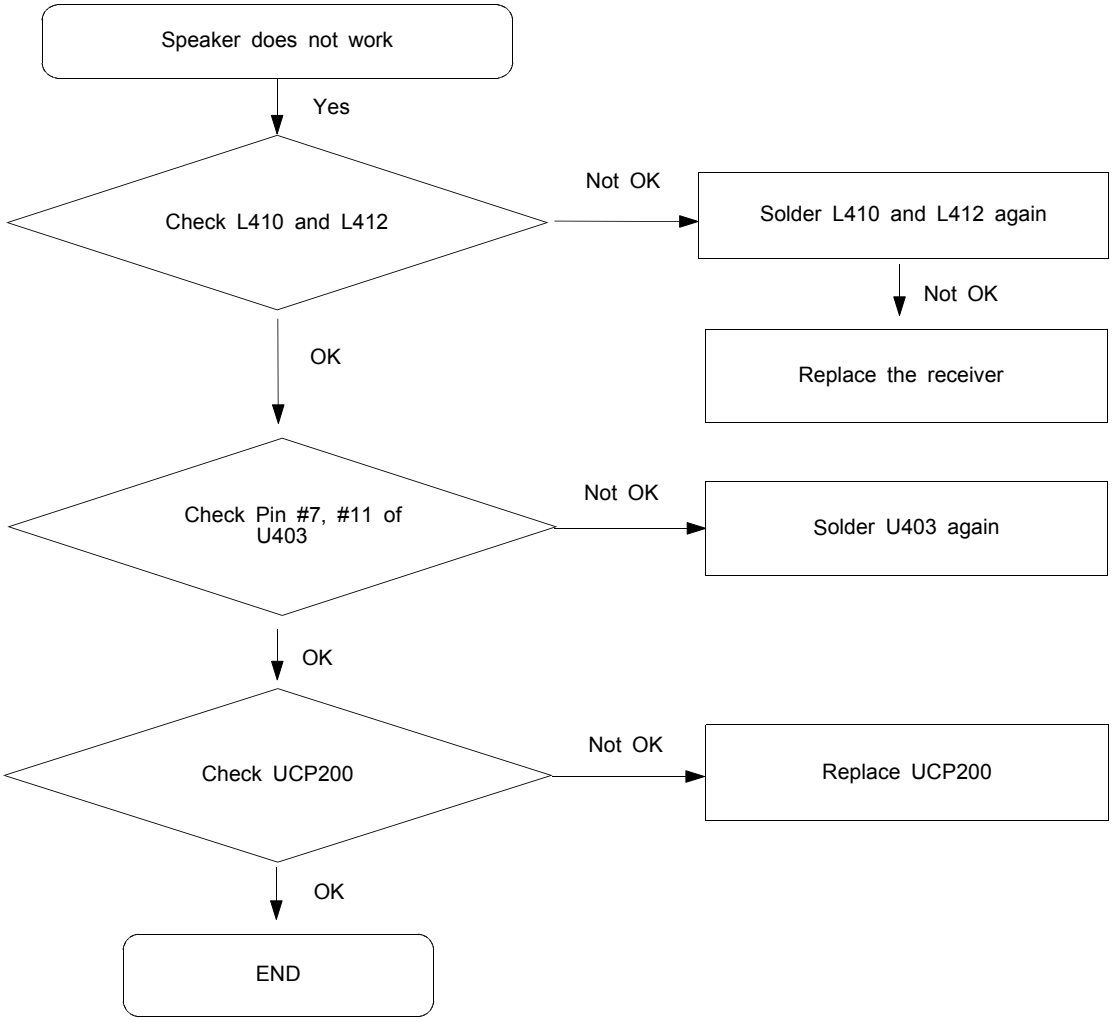
9-9. Receiver Part



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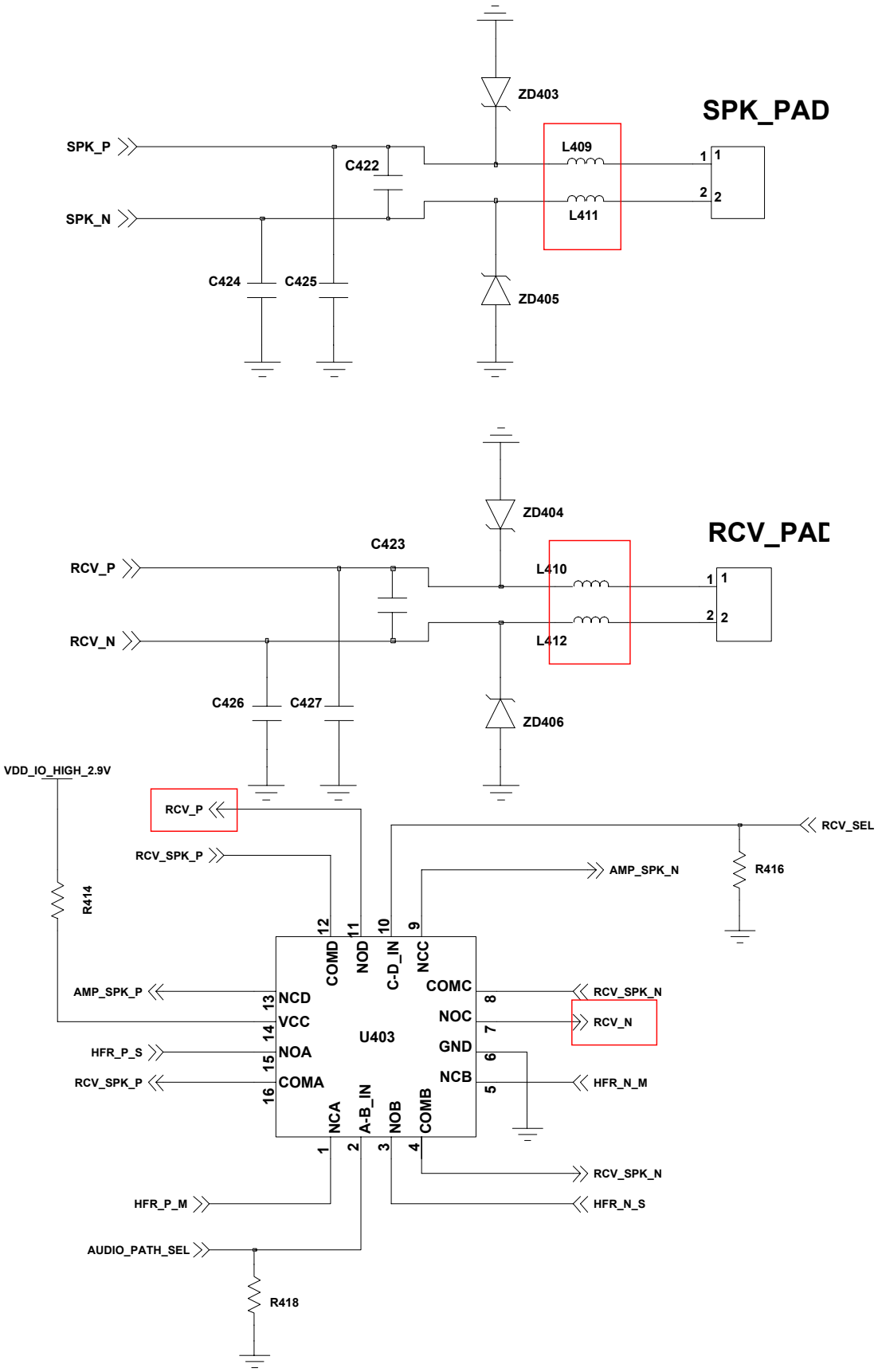

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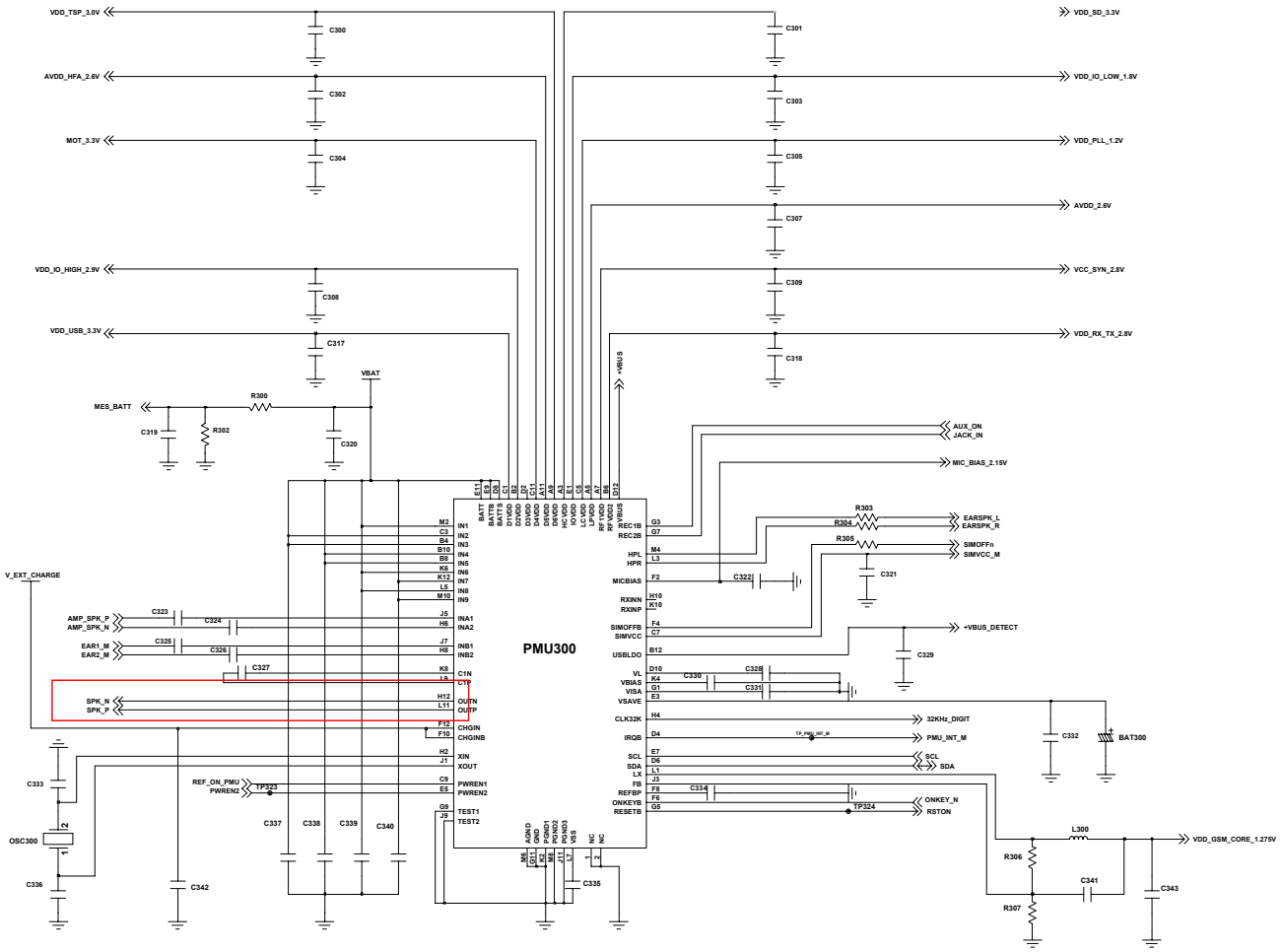

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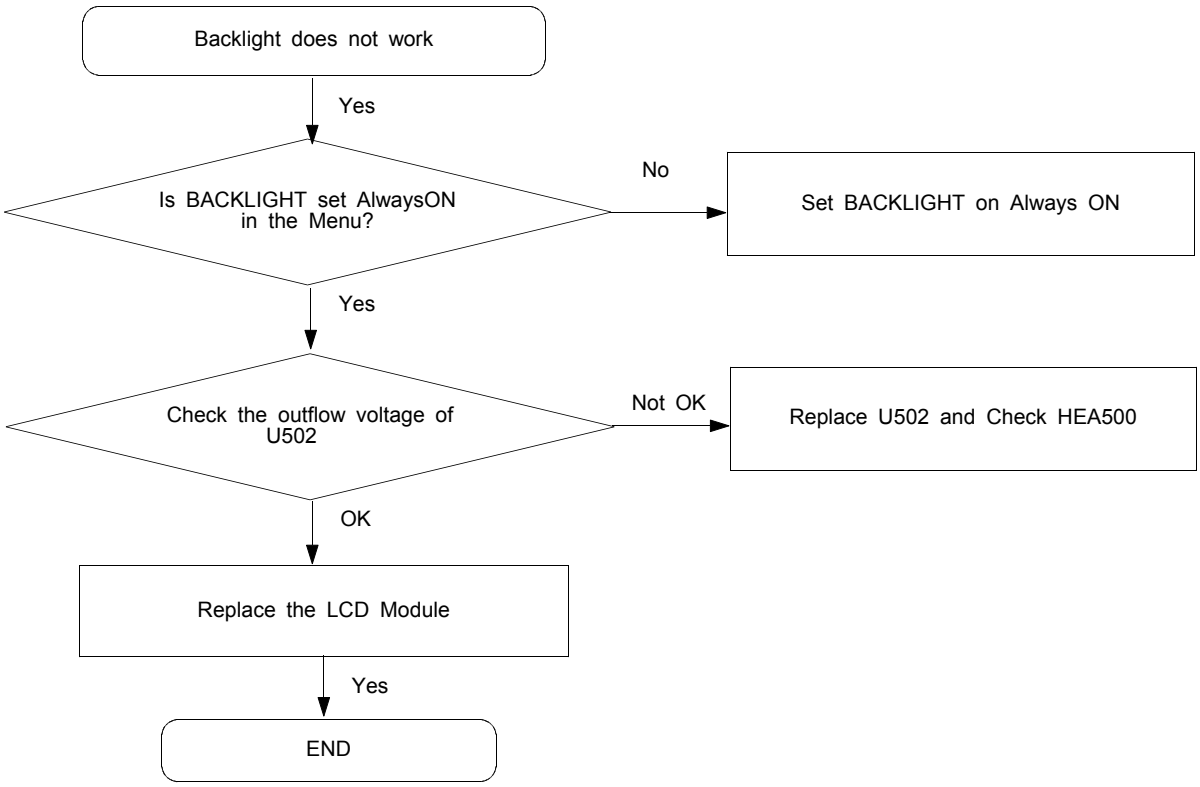
9-10. Back Light (for Color Main LCD)



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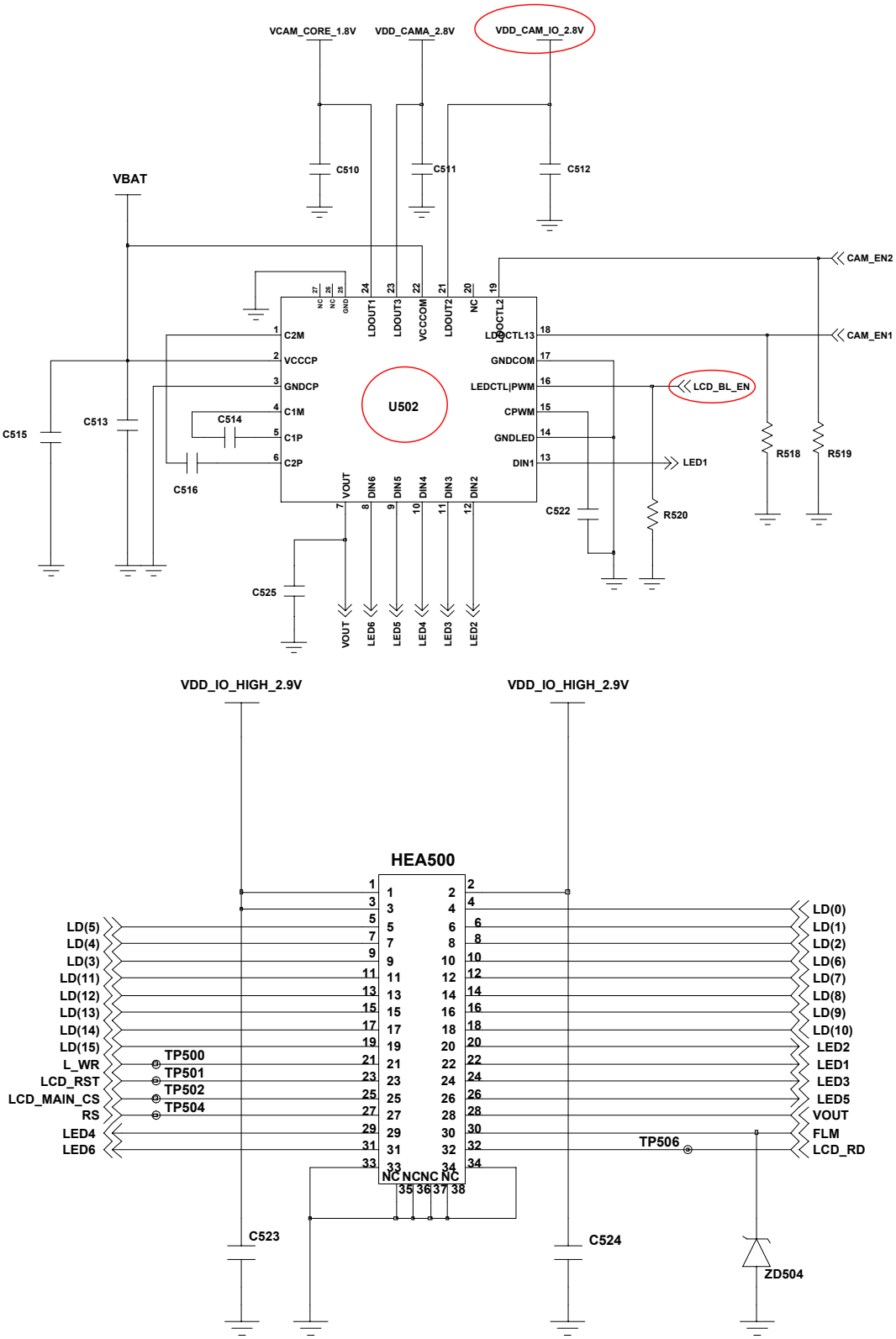

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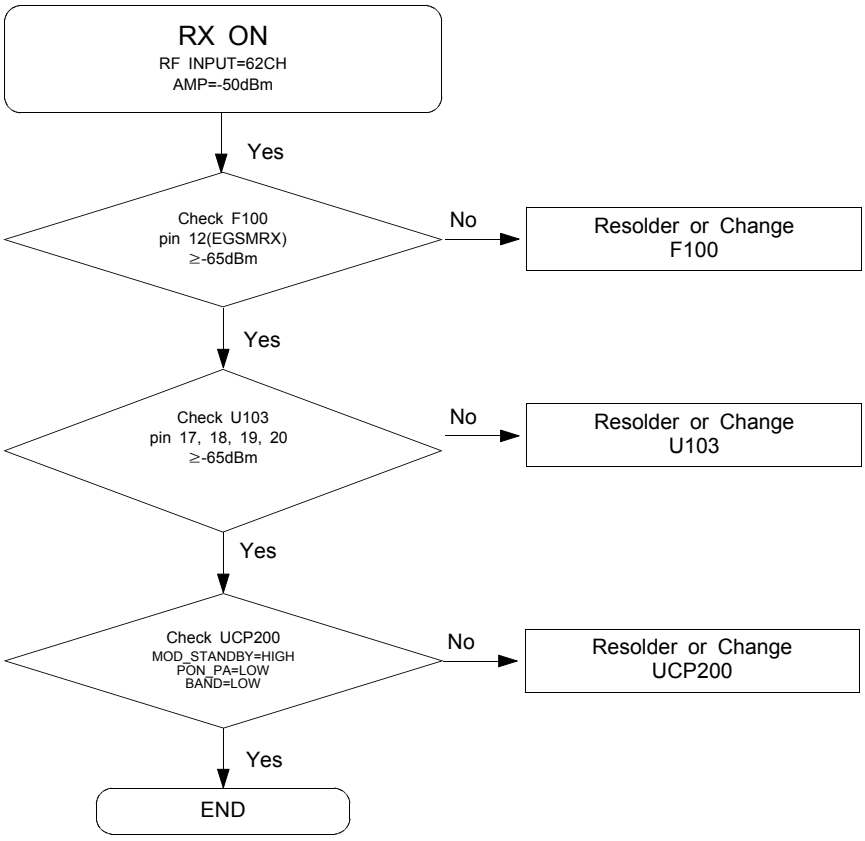
9-11. LOW BAND Receiver -Master



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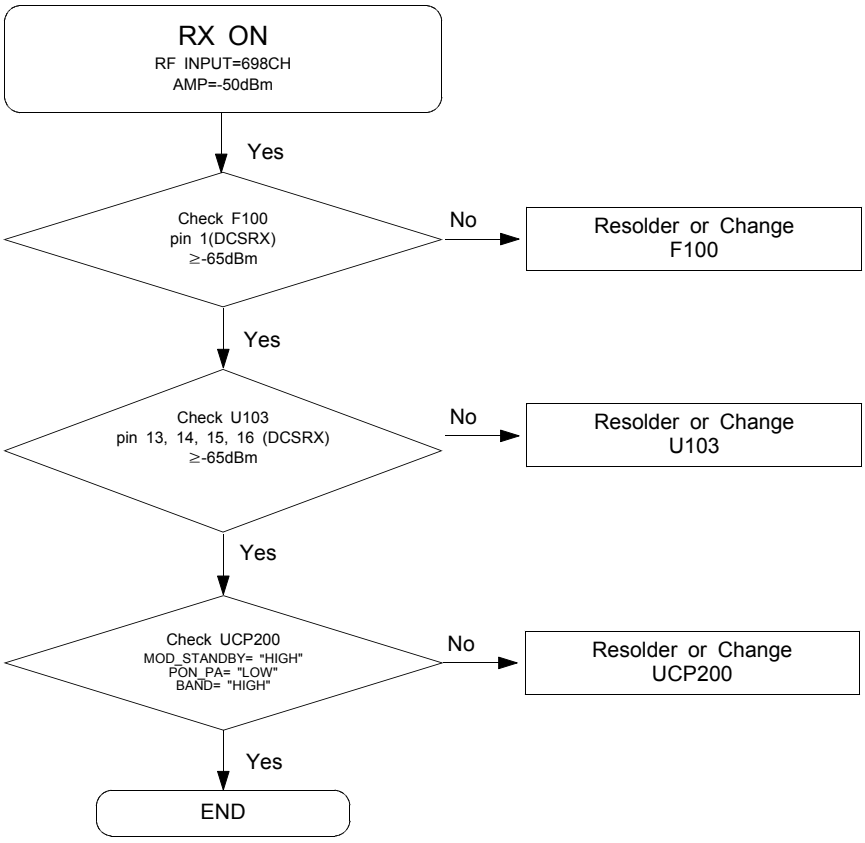
9-12. HIGH BAND Receiver -MASTER



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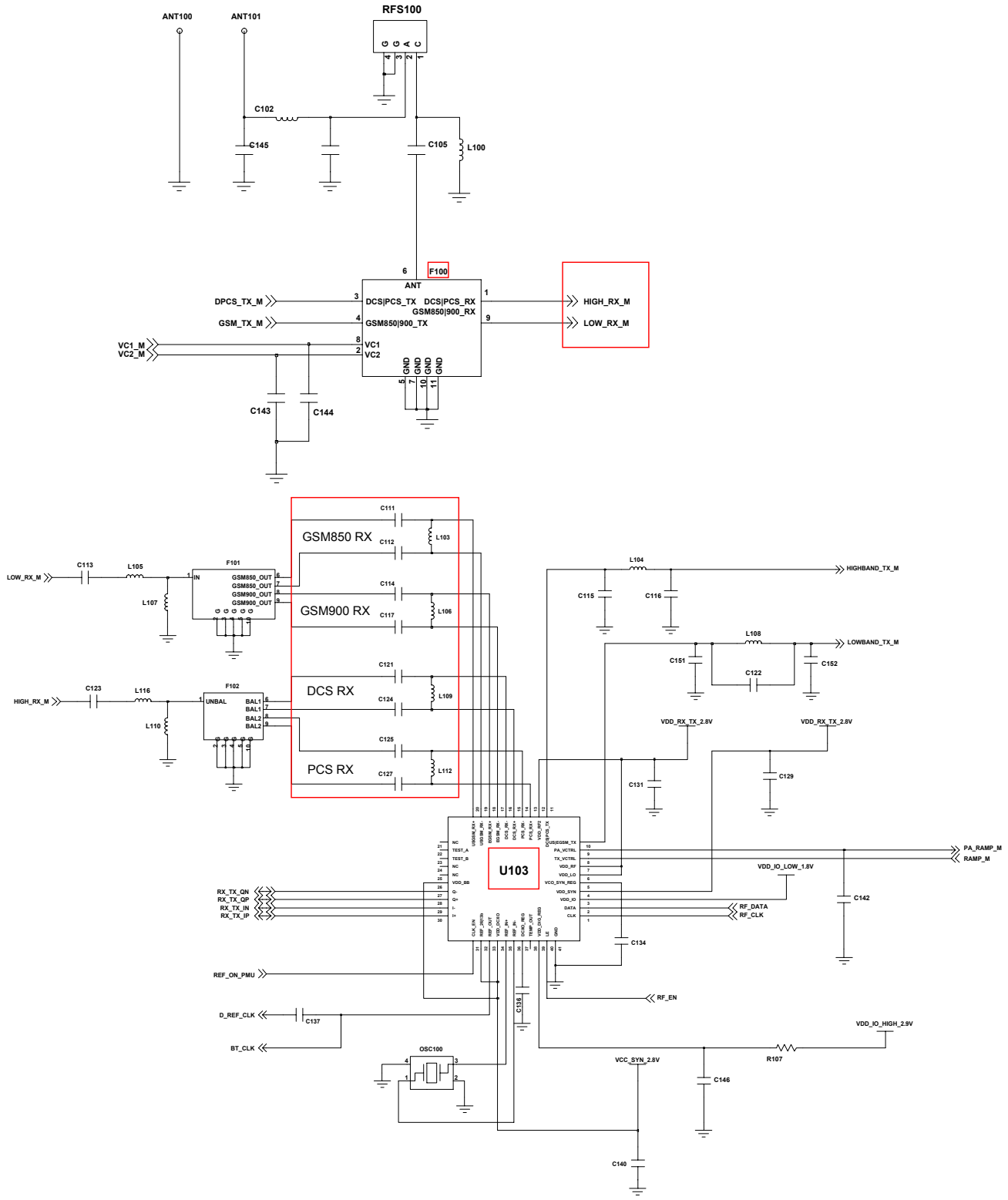

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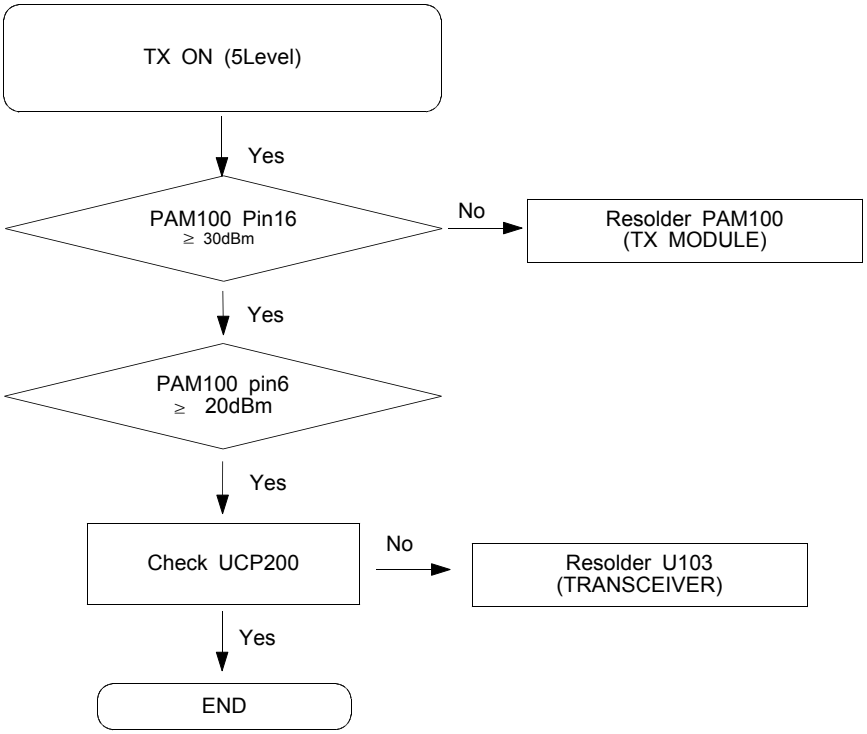
9-13. LOW BAND Transmitter -MASTER



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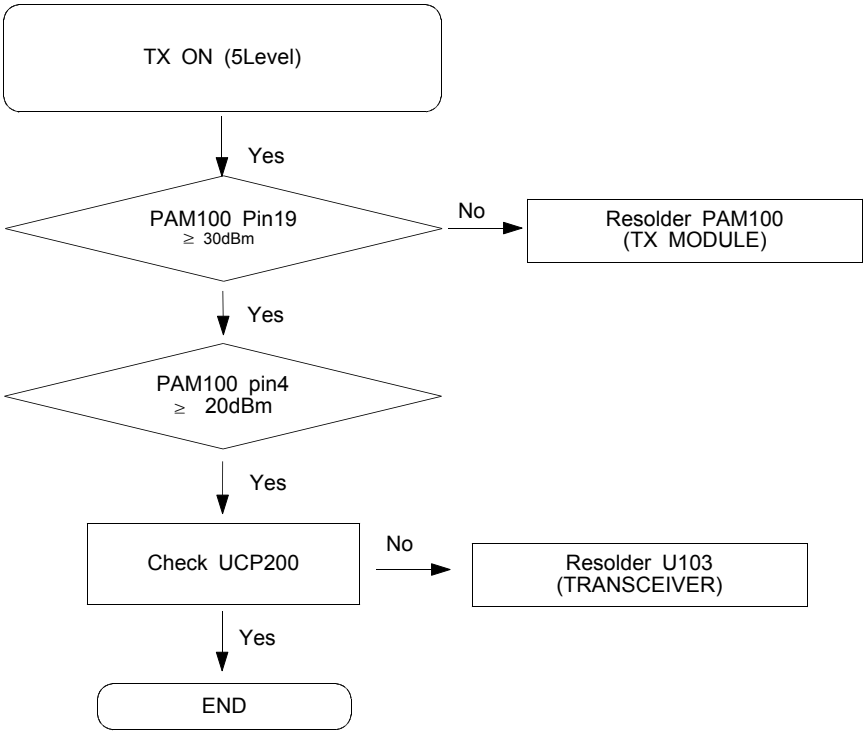
9-14. HIGH BAND Transmitter -MASTER



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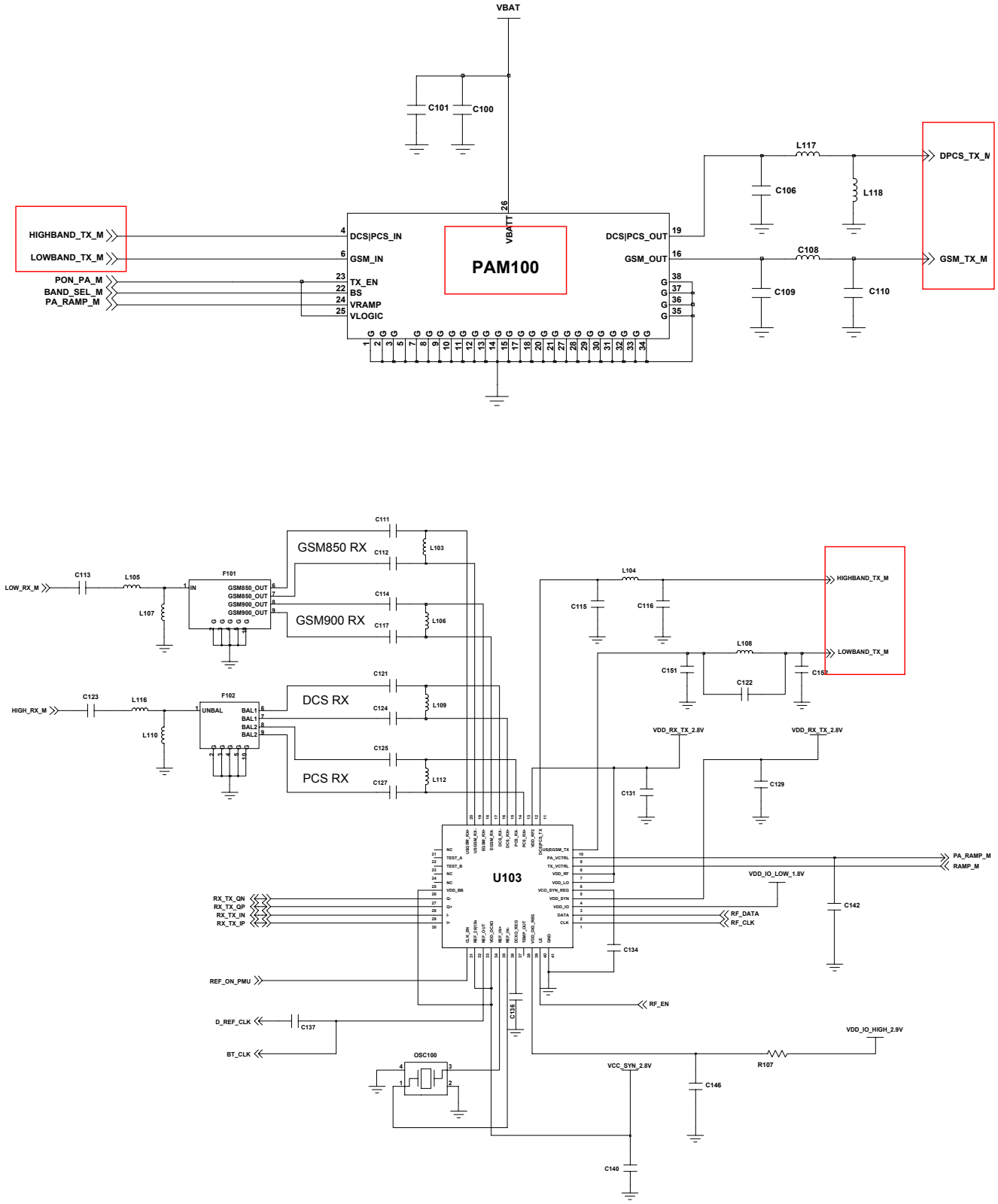

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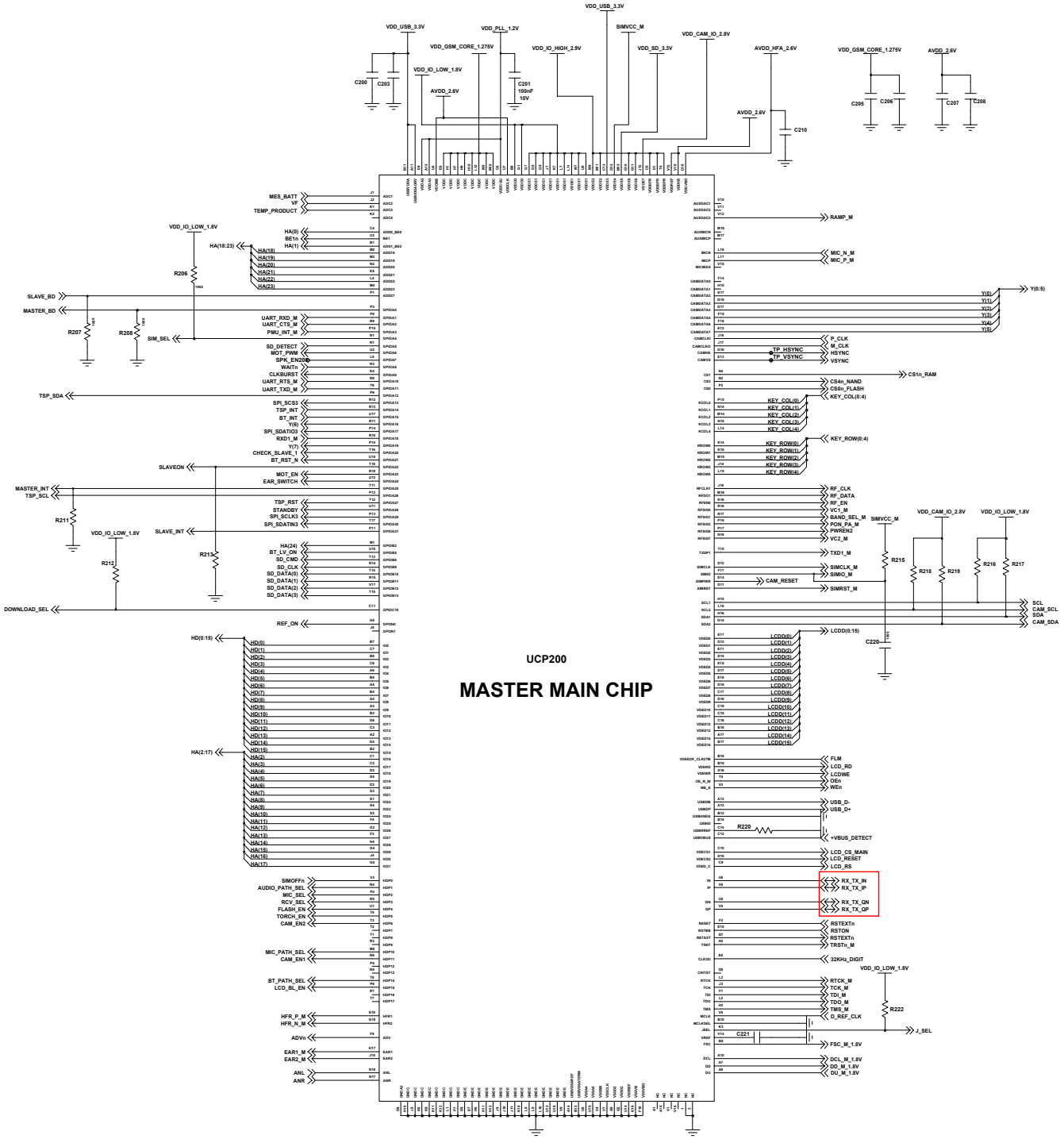

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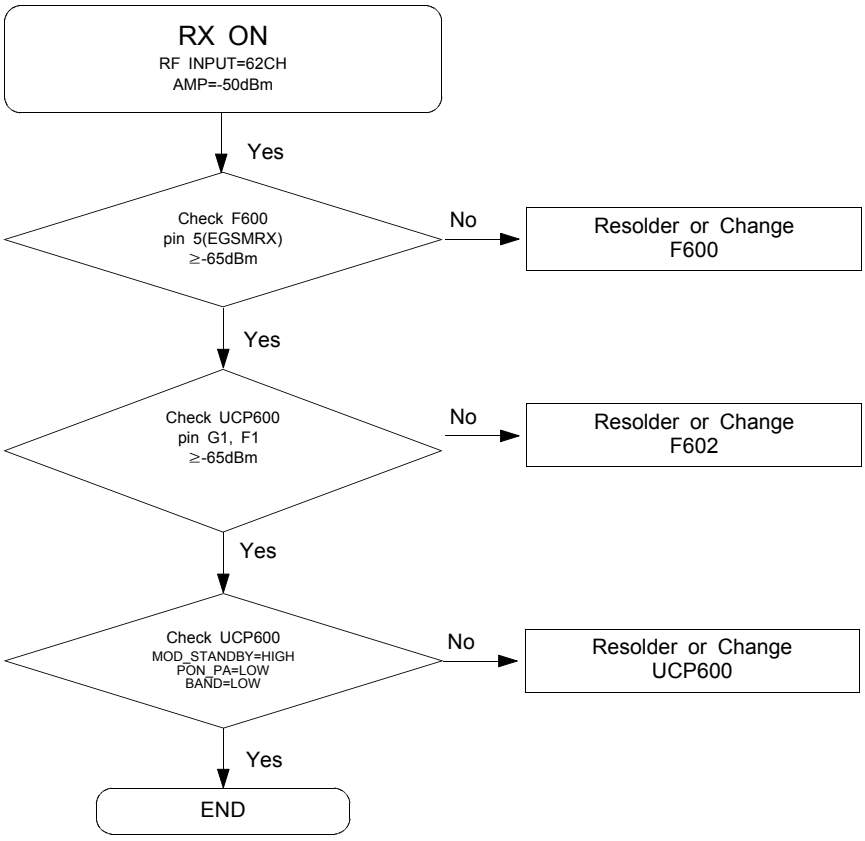
9-11. LOW BAND Receiver -Slave



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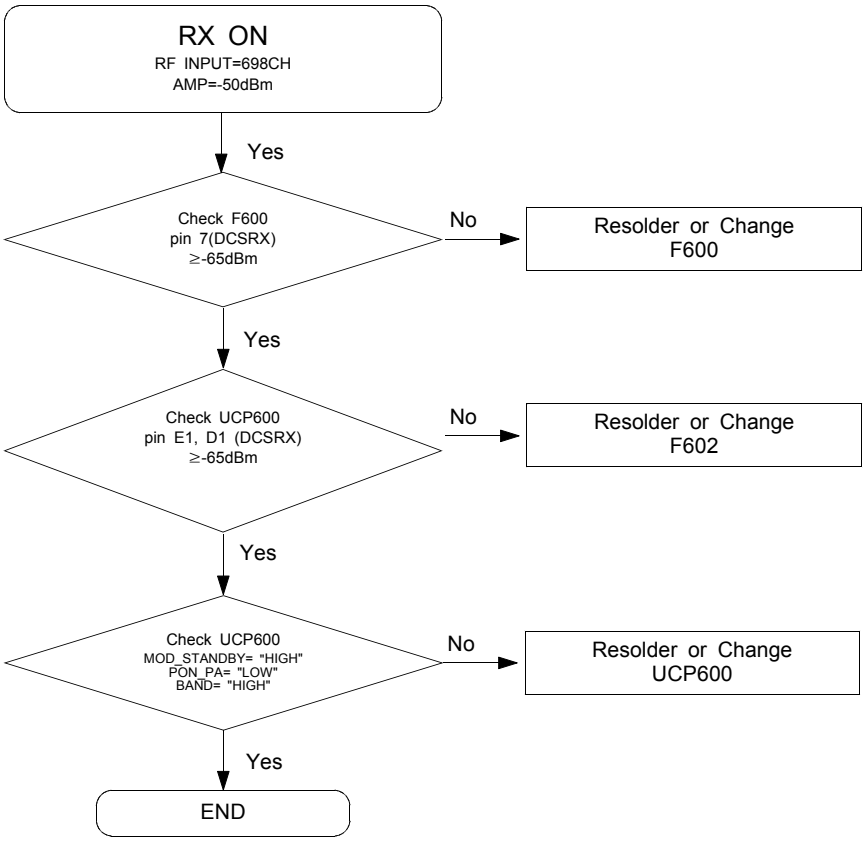
9-12. HIGH BAND Receiver -Slave



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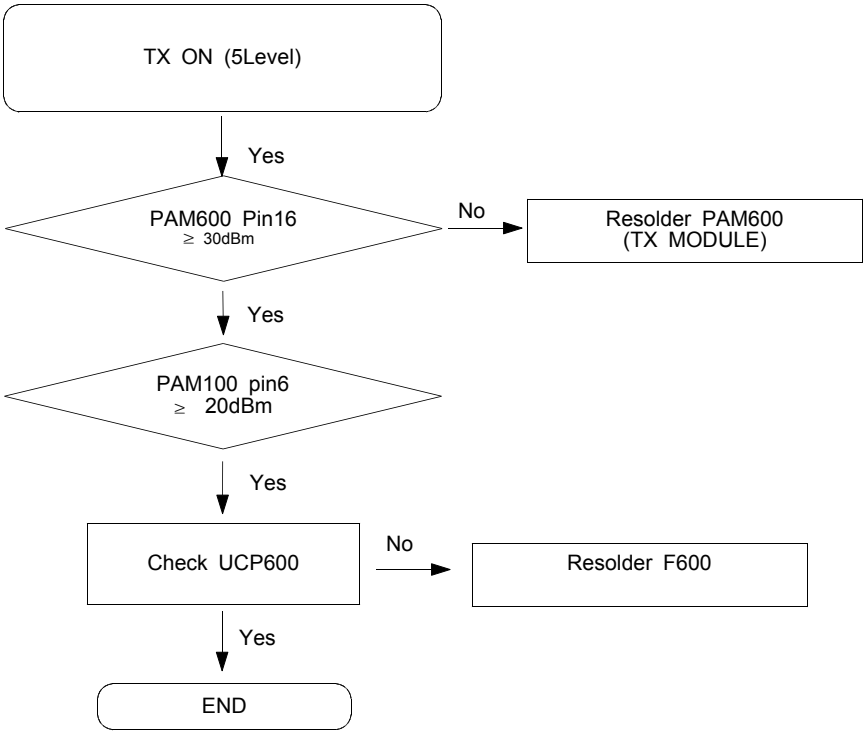
9-13. LOW BAND Transmitter -Slave



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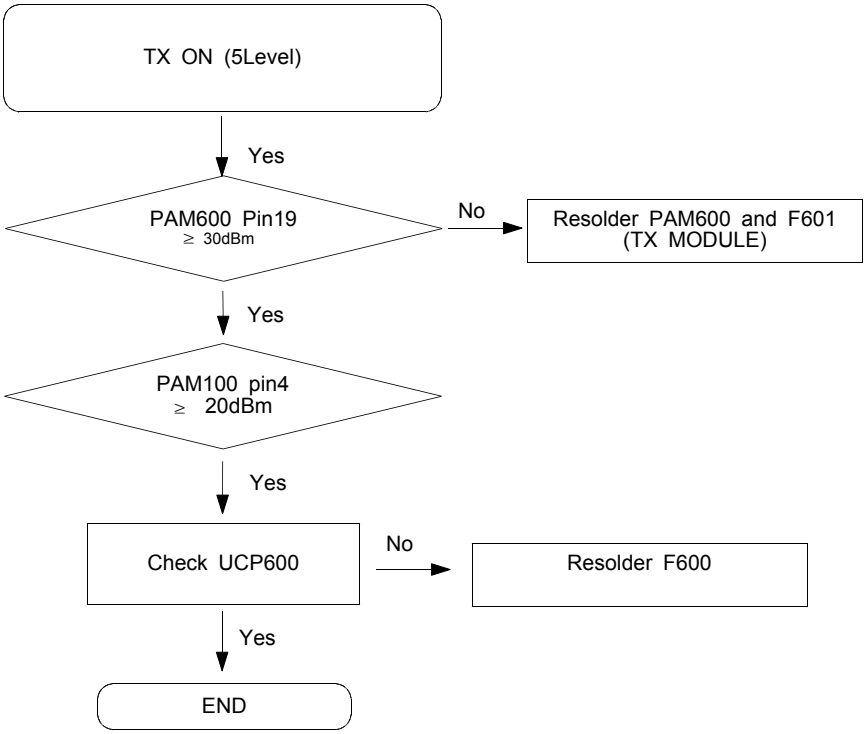
9-14. HIGH BAND Transmitter -Slave



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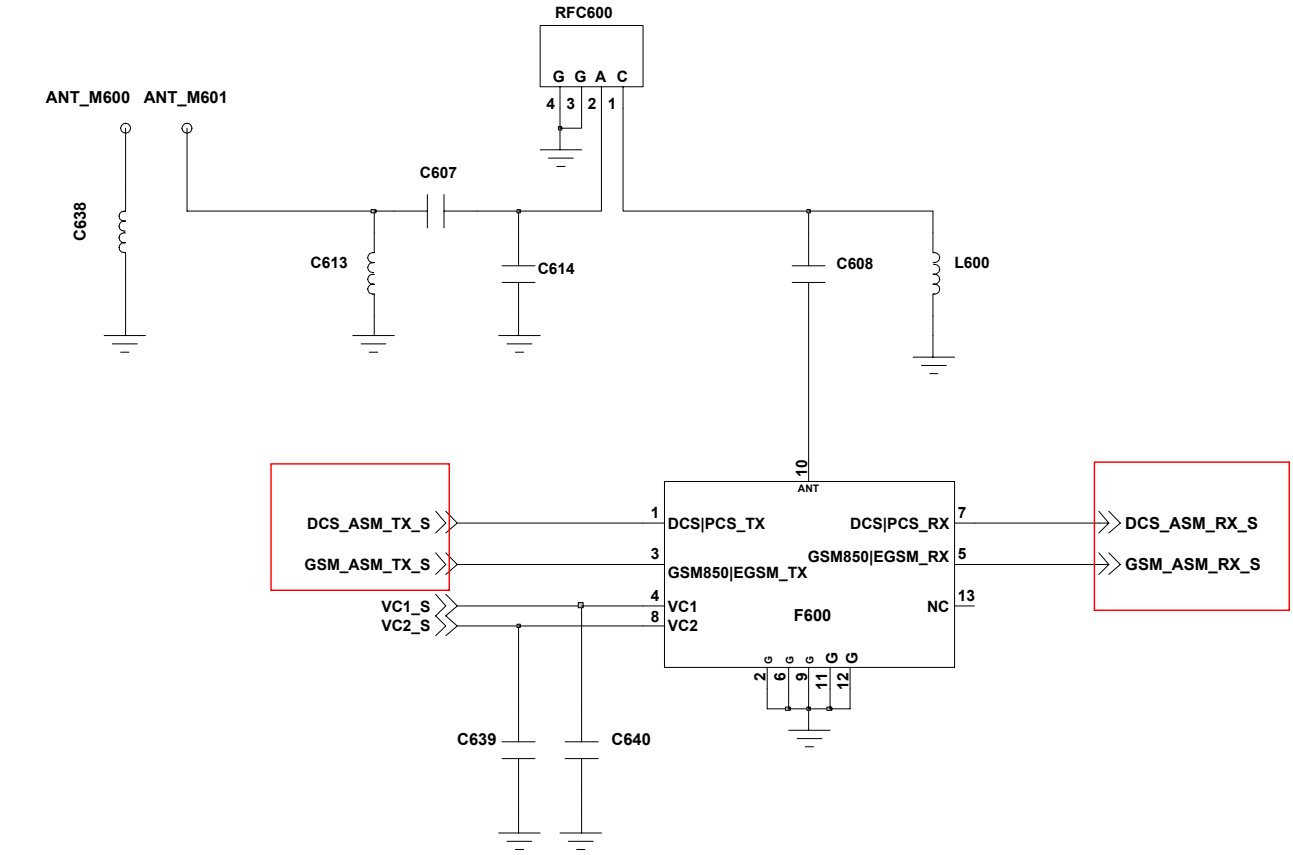

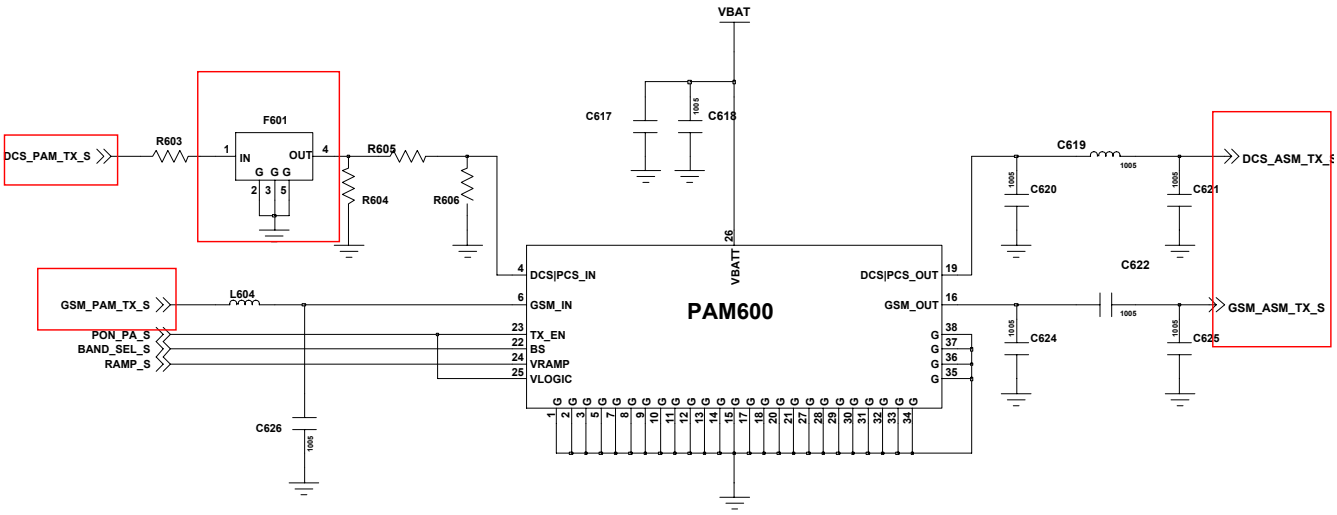

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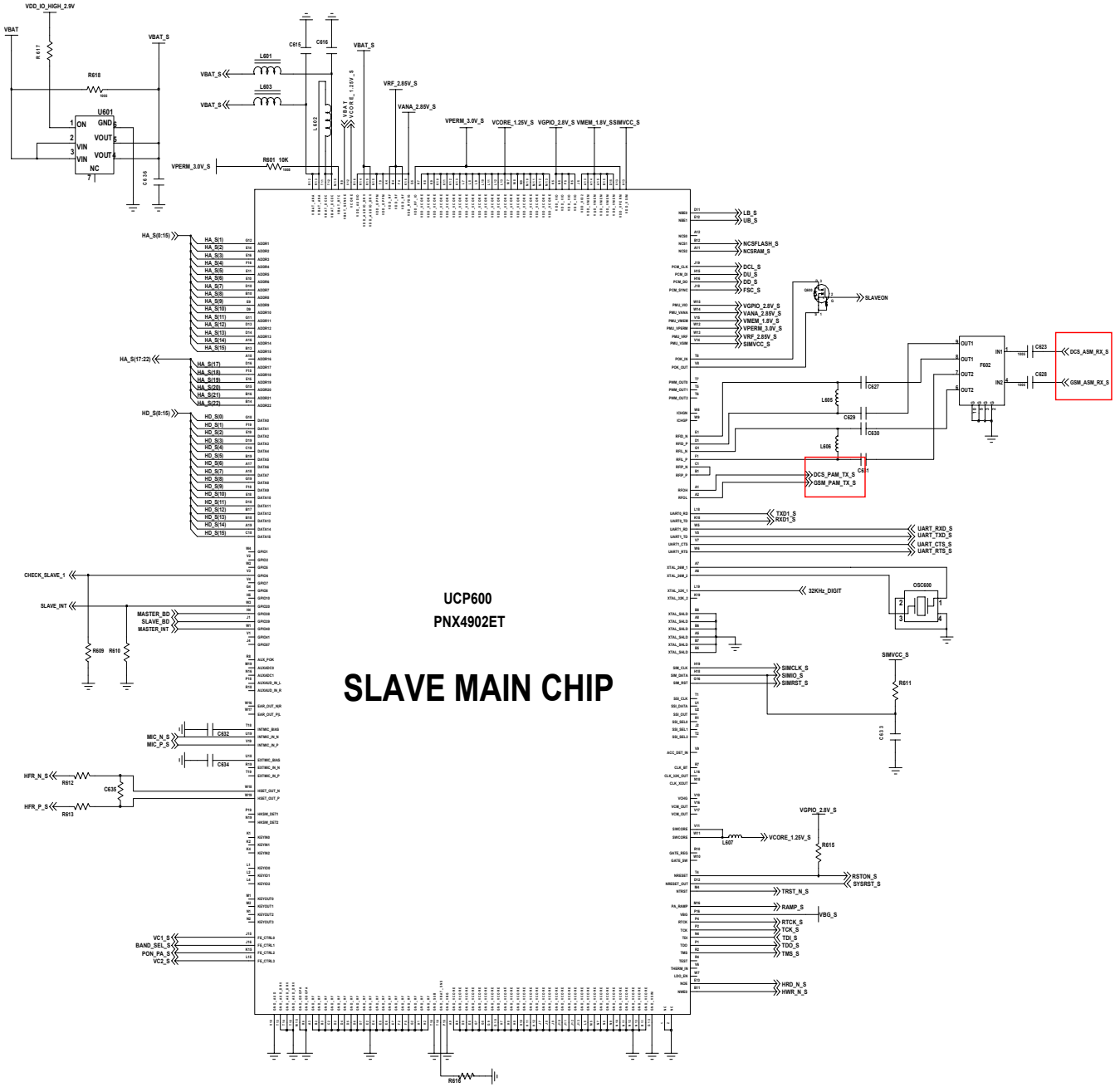

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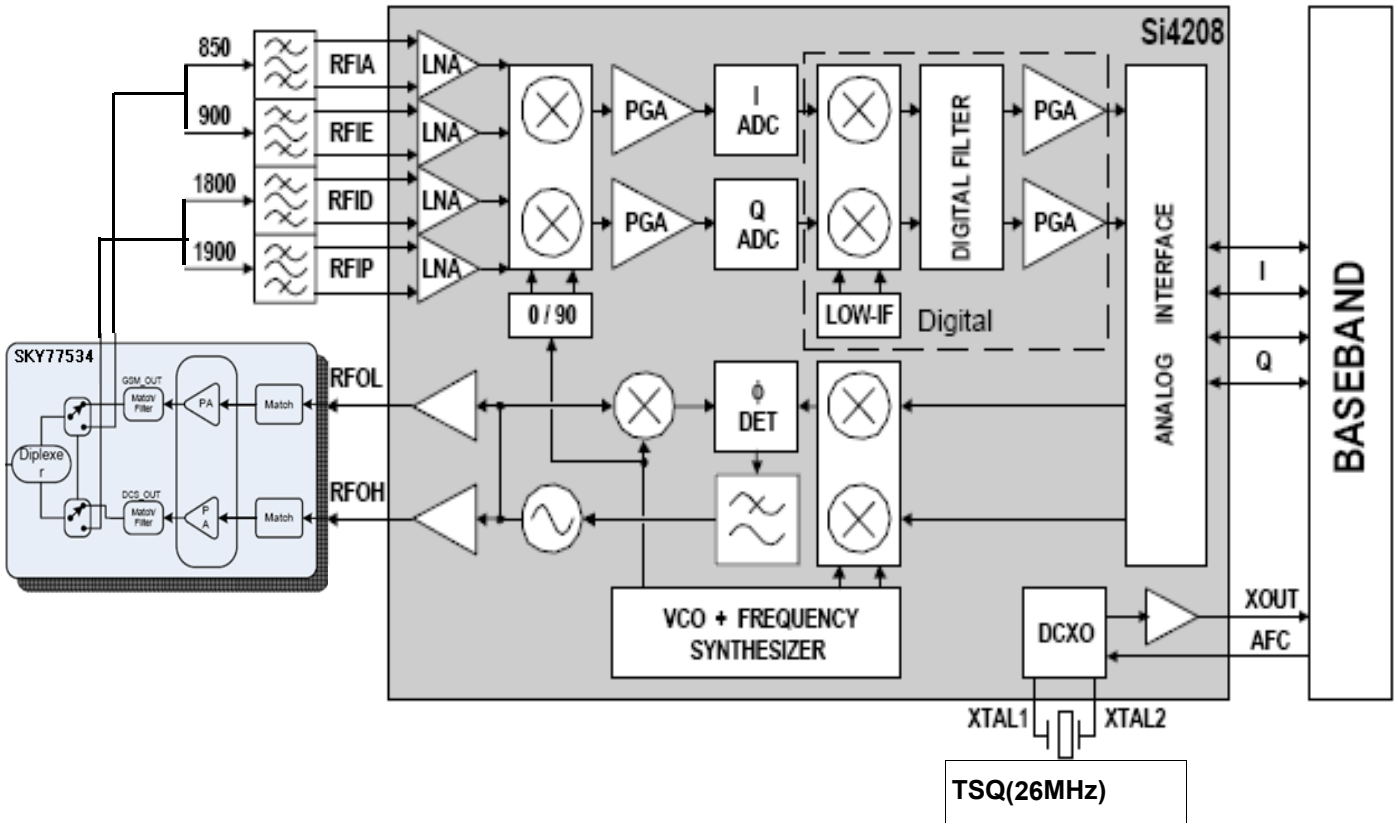
7. Block Diagrams



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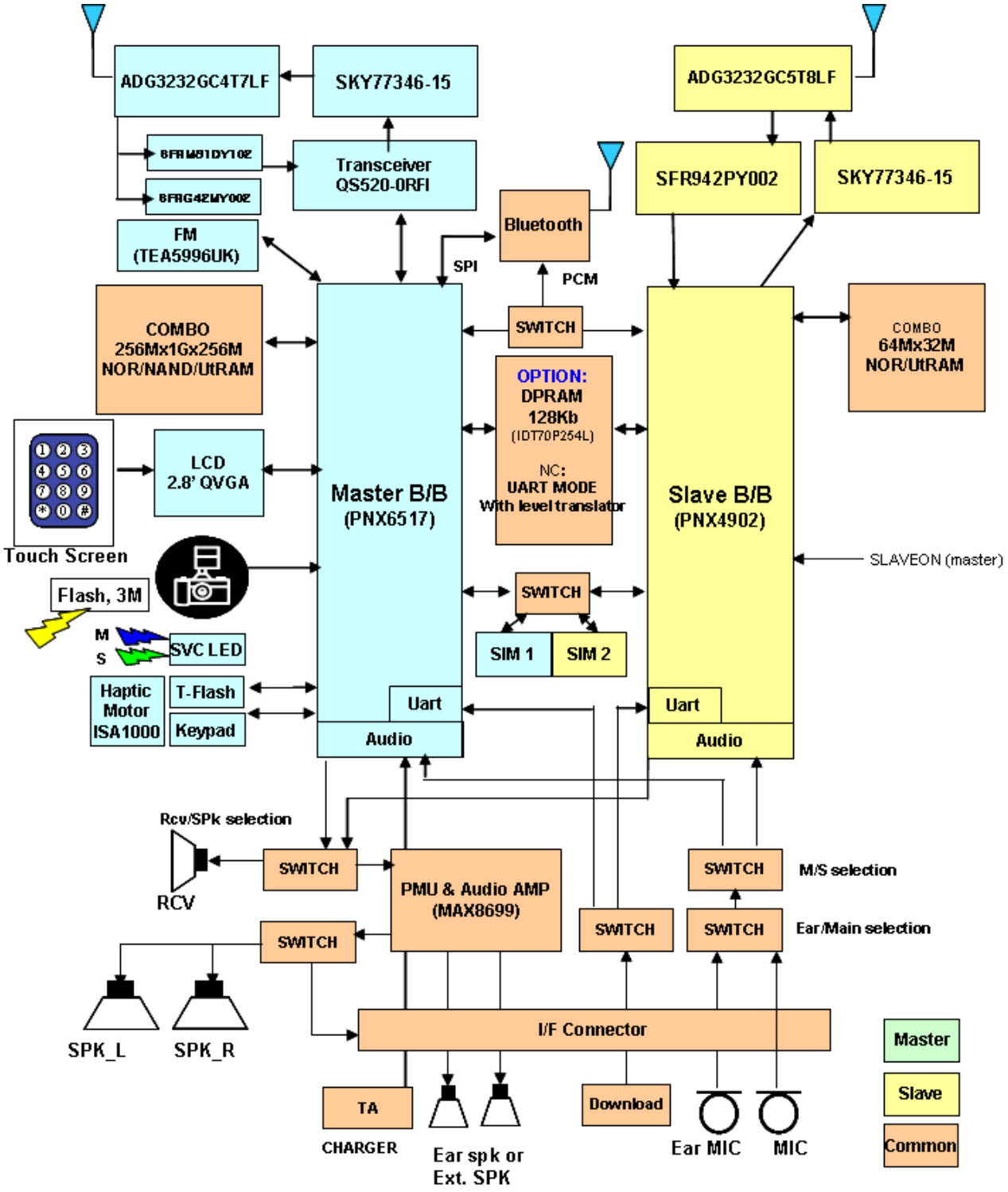

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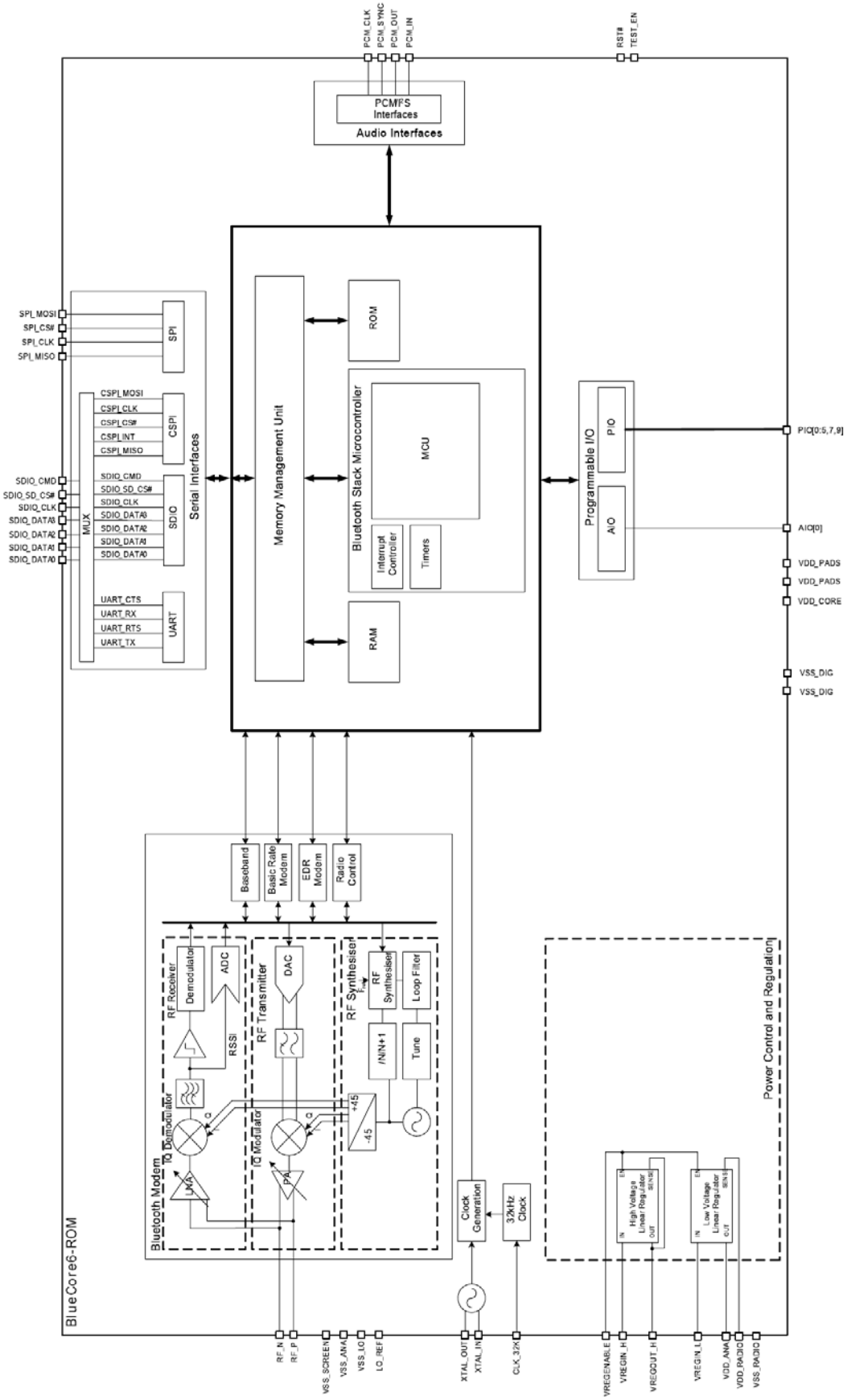

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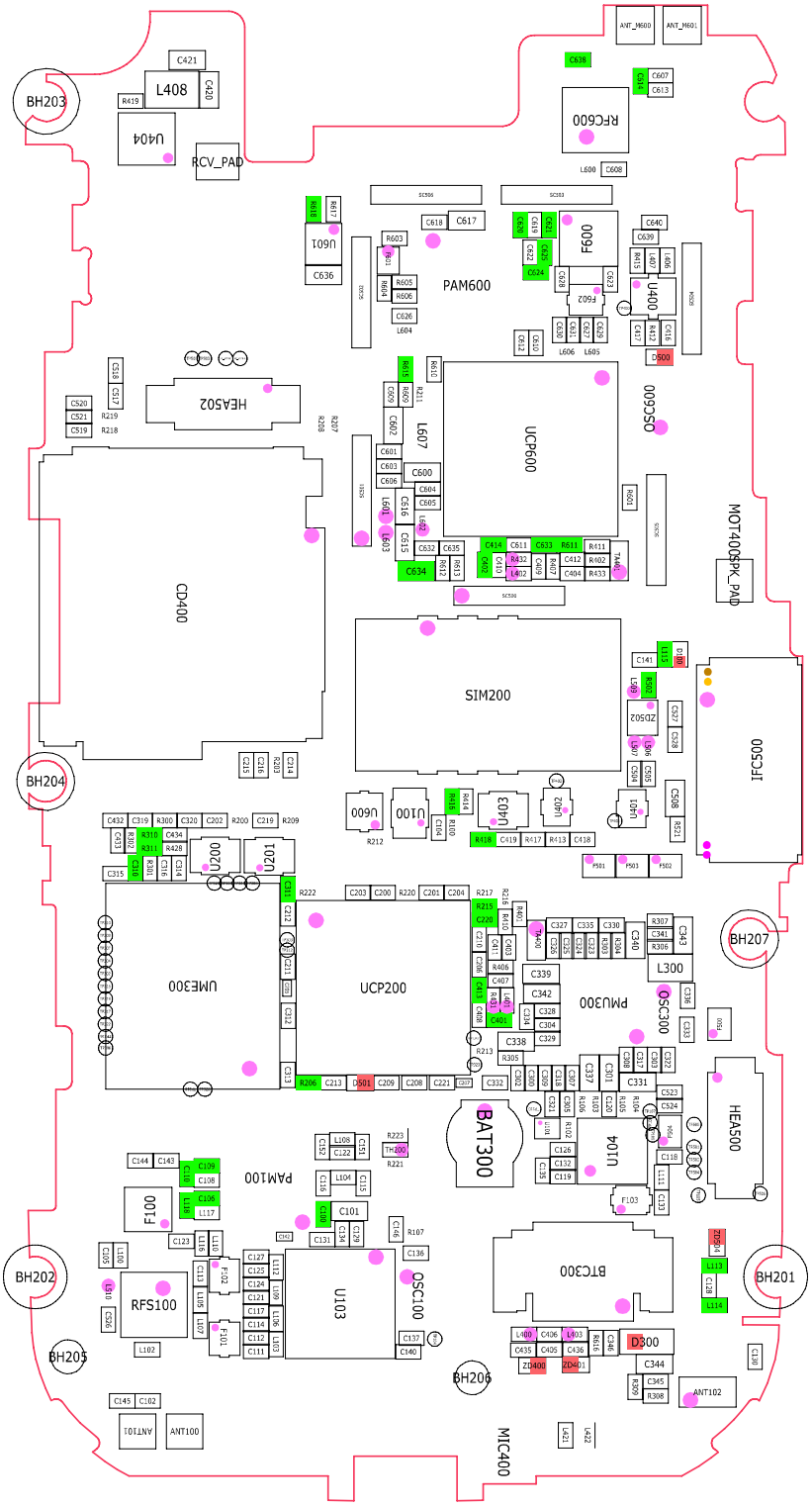
8. PCB Diagrams

8-1. Top



HY20-AB0310
3710-002683
IFC500

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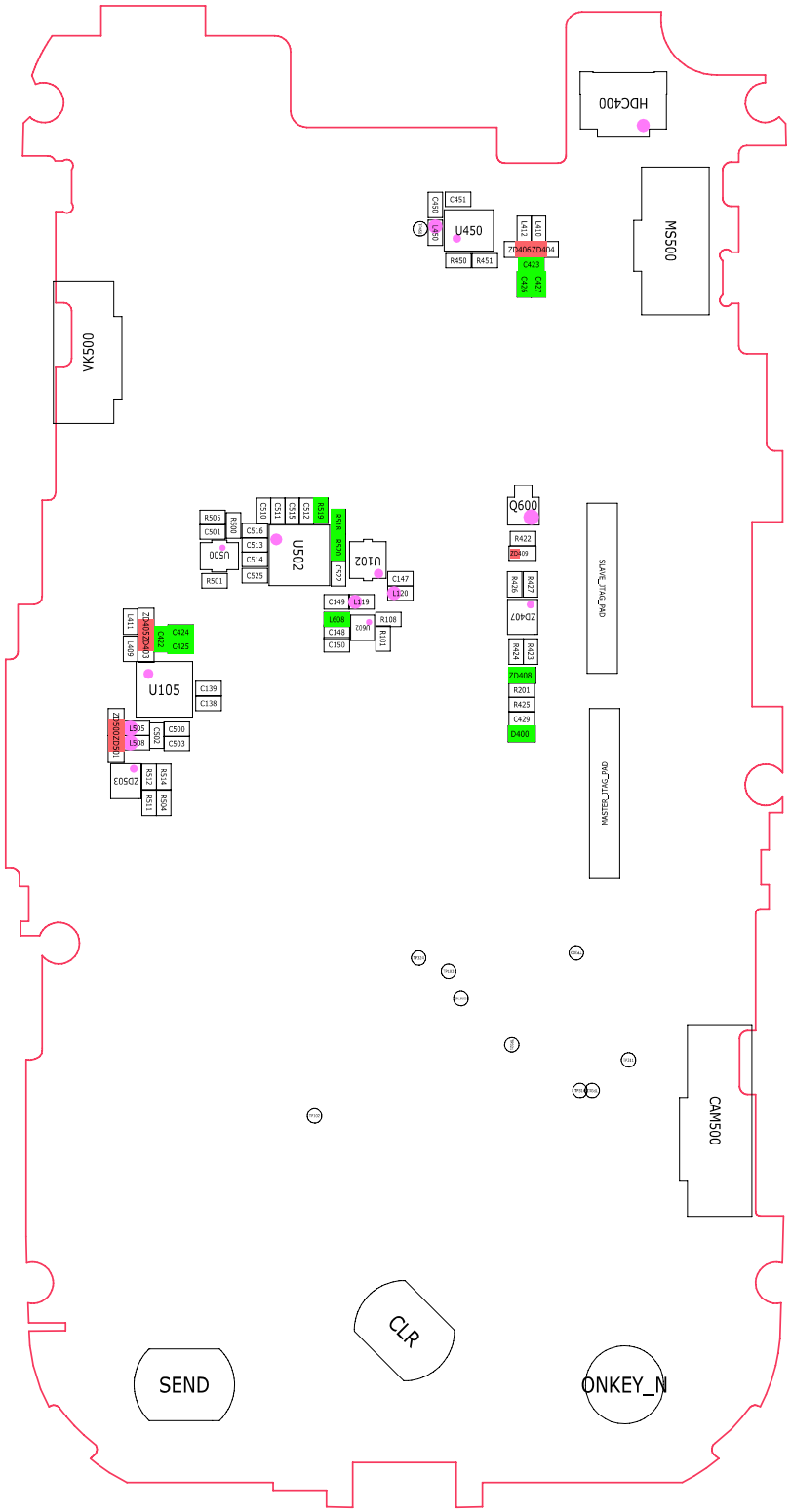
8-2. Bottom



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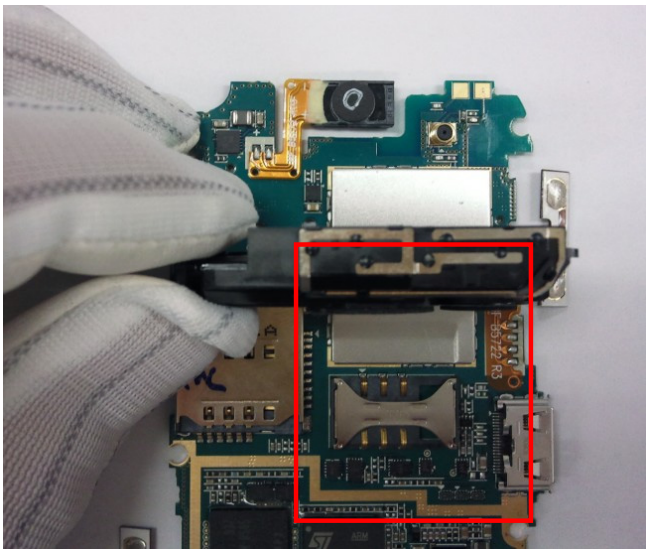
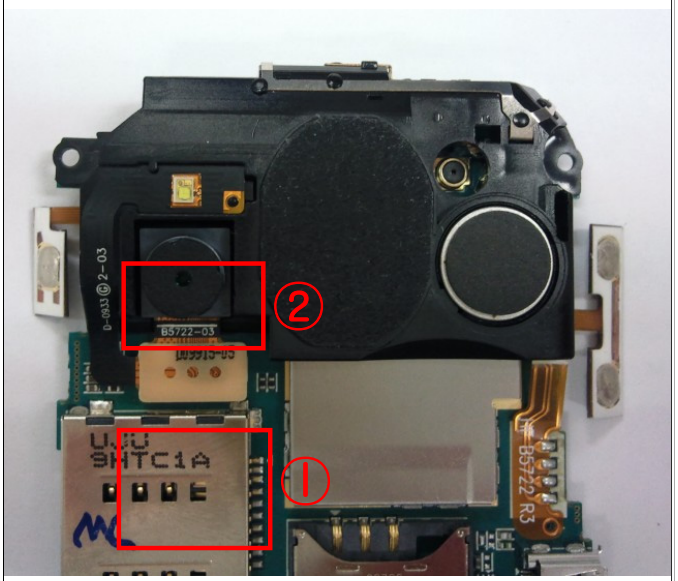
11. Disassembly and Assembly Instructions

11-1. Disassembly

1 Land LCD on the UPPER.	2 Land SUB KEYPAD on the UPPER.
1. Set for UPPER's LCD place figures and assemble LCD	1. Be careful aseemble hooks on keypad.
3 Assemble shield can	**4 Assemble CIF Camera & FPCB**
	
1.Assemble shield can & Check each point Assembled well.	

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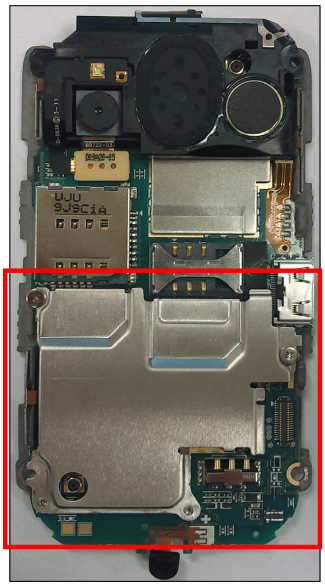
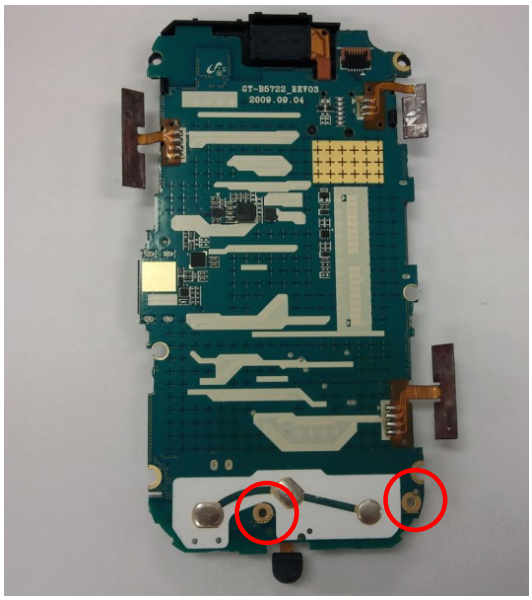
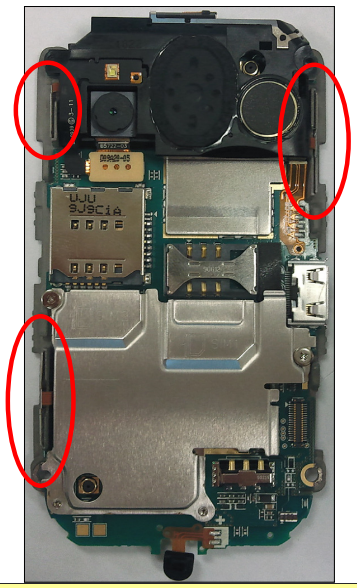
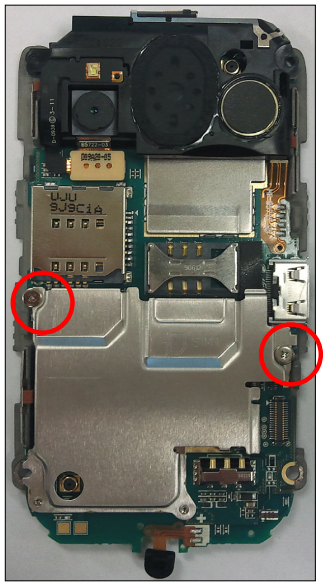
5 Assemble shield can. 	**6** Screw shield can 2 Points. 
7 Assemble PBA Ass'y. 	**8** Screw PBA Ass'y 2 Points. 
1.Land PBA on Bracket & Assemble FPCB 3 points.	

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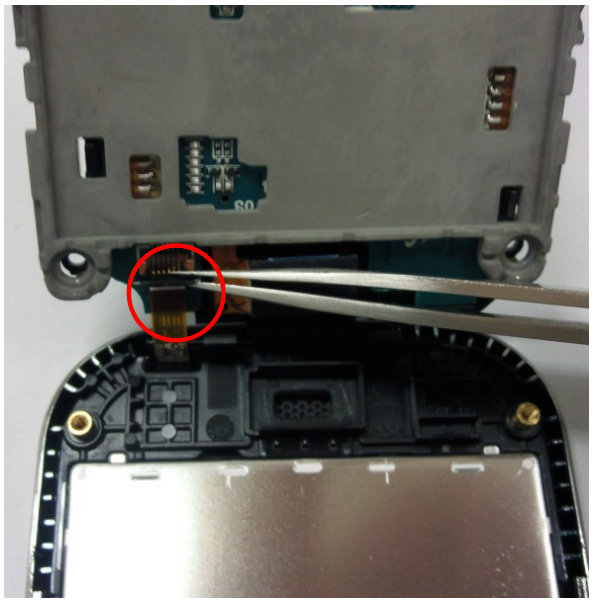
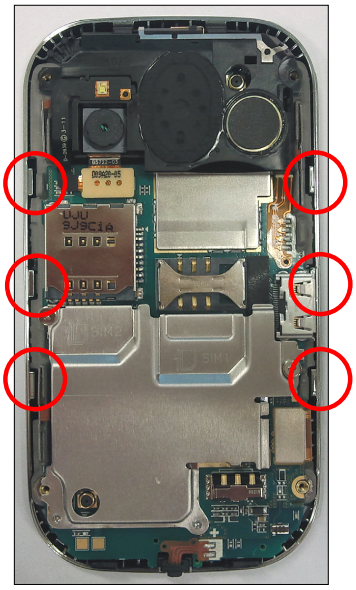
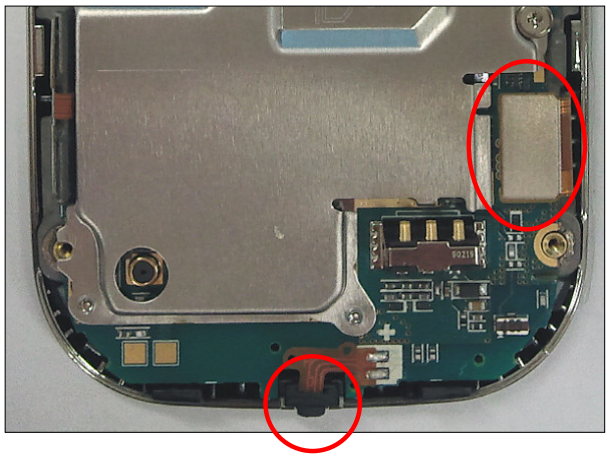
9 Assemble TSP FPCB Connector.	10 Land PBA Ass'y on FRONT.
	
1.Be careful not to damage TSP FPCB	1.Check Hook 6 Points Locked well.
11 Assemble LCD Connector & MIC	**12** Assemble Rear.
	
1.Assemble LCD FPCB Connector. 2.Assemble MIC on FRONT.	1.Assemble from UPPER's top.

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13 Screw Rear 4 points.	

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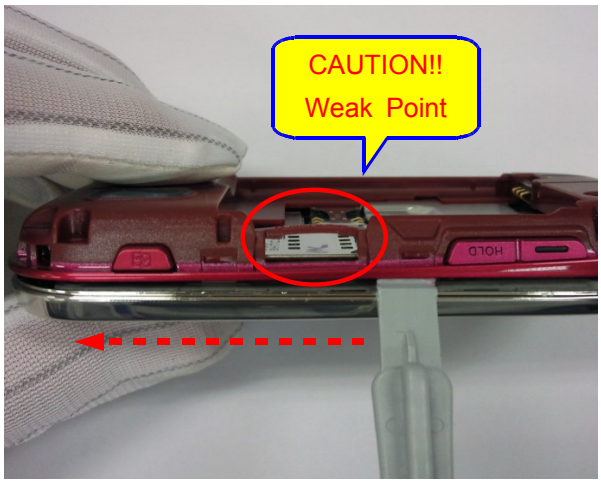
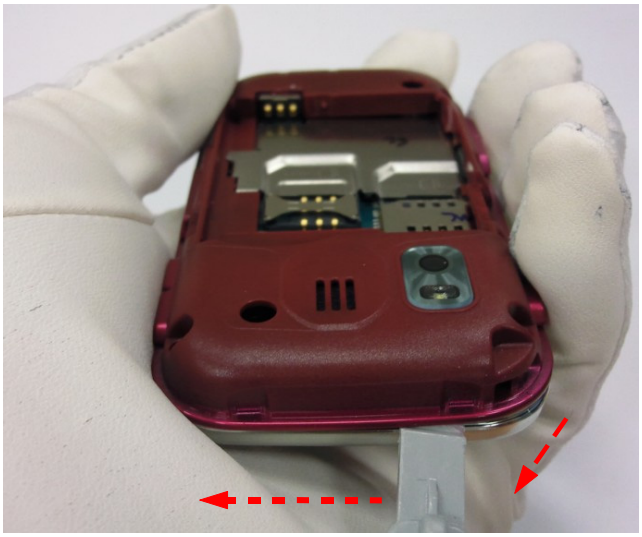
11-2 Assembly

1 Unscrew REAR 4 Points. 	**2** Disassemble REAR (1). 
	1.Disassemble the rear from the SET's left side (Be careful not to damage weak point)
3 Disassemble REAR (2). 	**4** Remove REAR.
1.Progress diassemble to direction of right side in up after disassembling left side	

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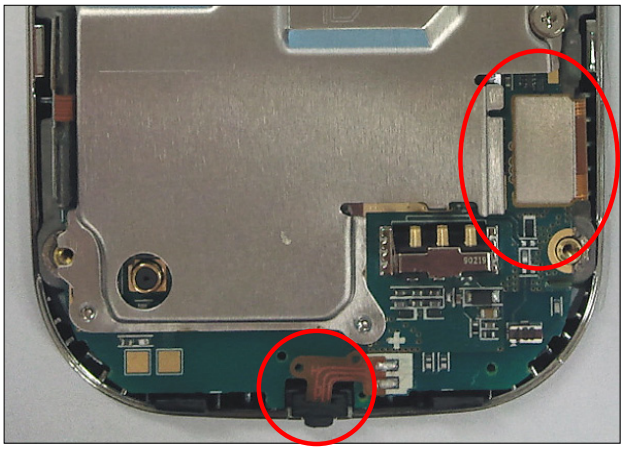
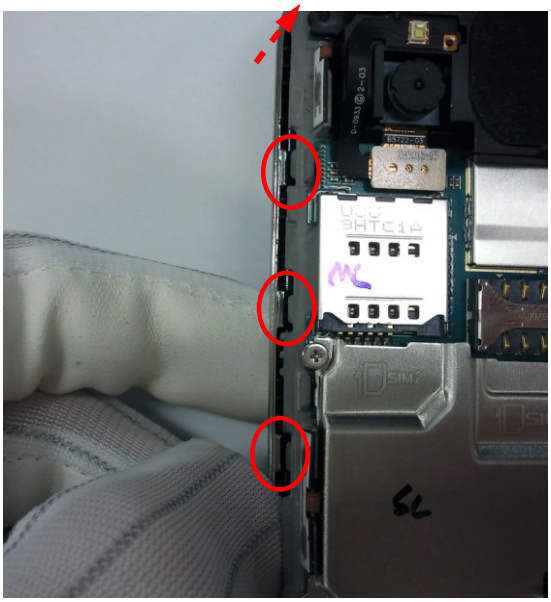
5 Separate LCD Connector & MIC



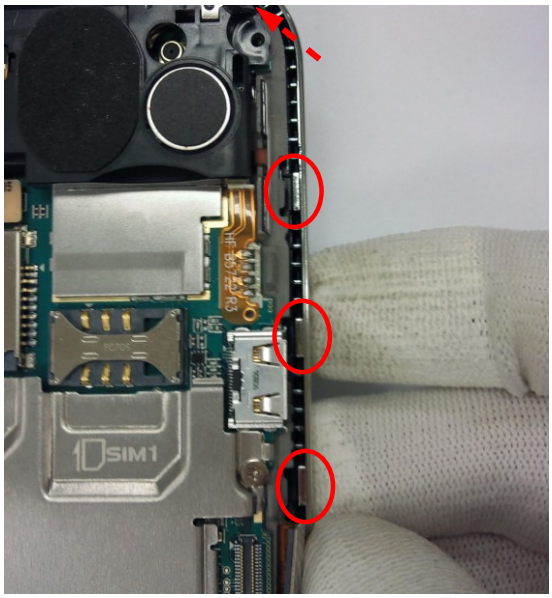
1.Separate LCD Connector with Tweezer carefully.
2.Separate MIC from FRONT.

6 Disassemble FRONT & PBA Ass'y (1)



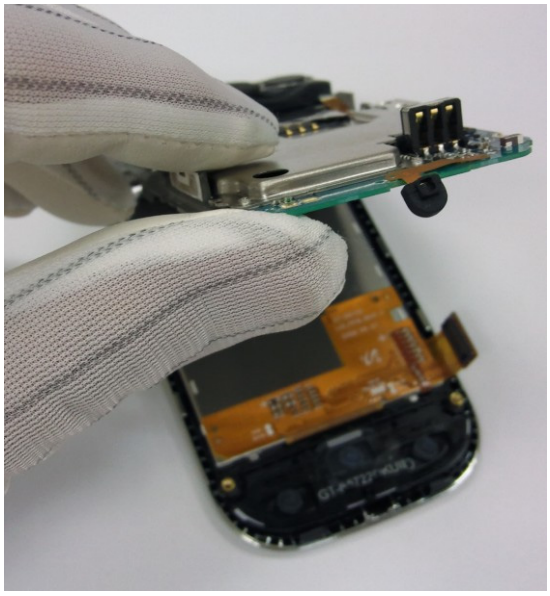
1.From the SET's left side, Spread Hook 3 Points holding PBA Ass'y

7 Disassemble FRONT & PBA Ass'y (2)



1.From the SET's right side, Spread Hook 3 Points holding PBA Ass'y

8 Disassemble FRONT & PBA Ass'y (3)



1.lift up PBA Ass'y
(Be careful not to damage TSP FPCB)

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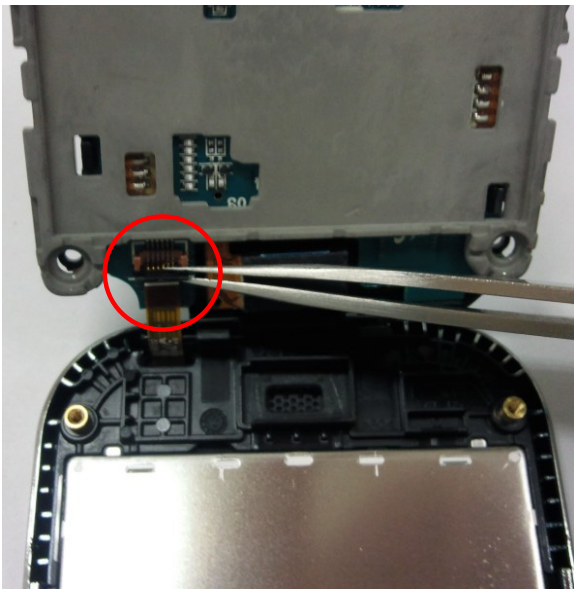
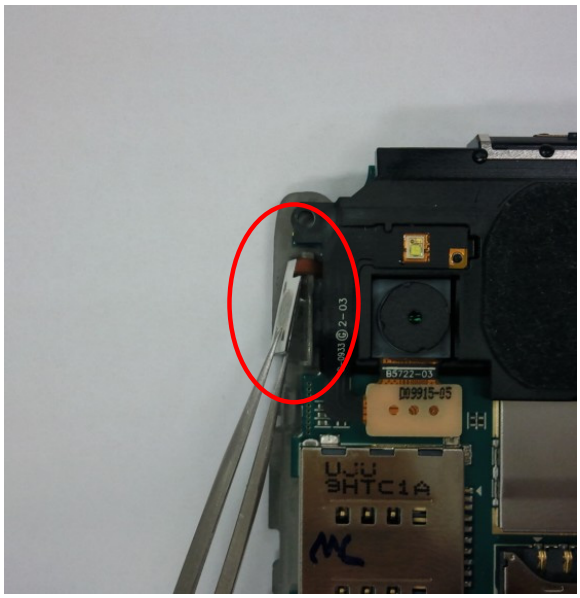
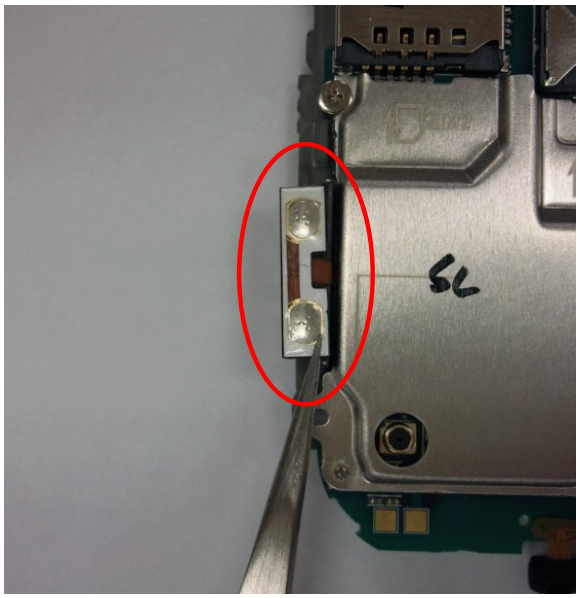
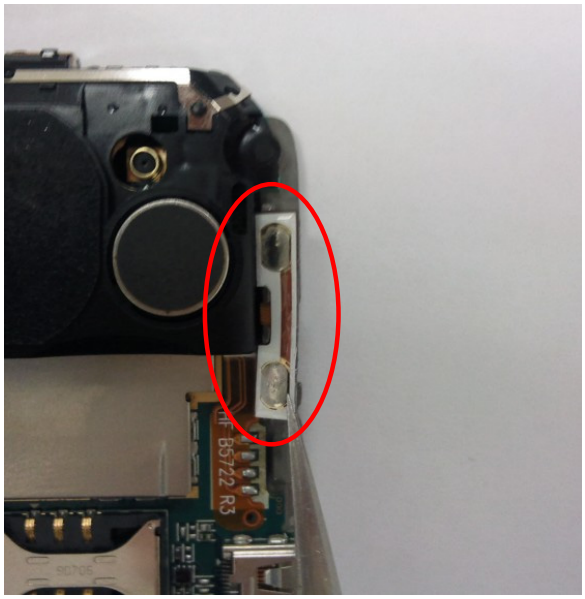
9 Separate TSP Connector	10 Disassemble PBA Ass'y (1)
	
1.Separate TSP Connector with Tweezer carefully.	1.Separate Toggle Key FPCB from Bracket
11 Disassemble PBA Ass'y (2)	**12** Disassemble PBA Ass'y (3)
	
1.Separate Hold/Camera Key FPCB from Bracket	1.Separate Volume Key FPCB from Bracket

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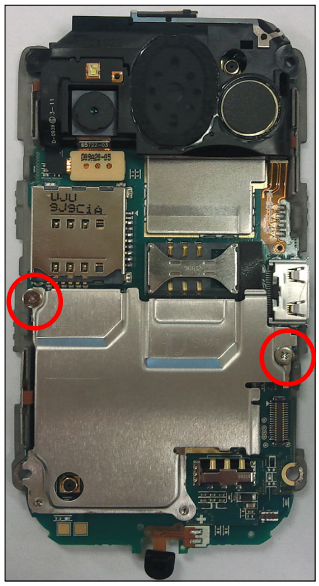
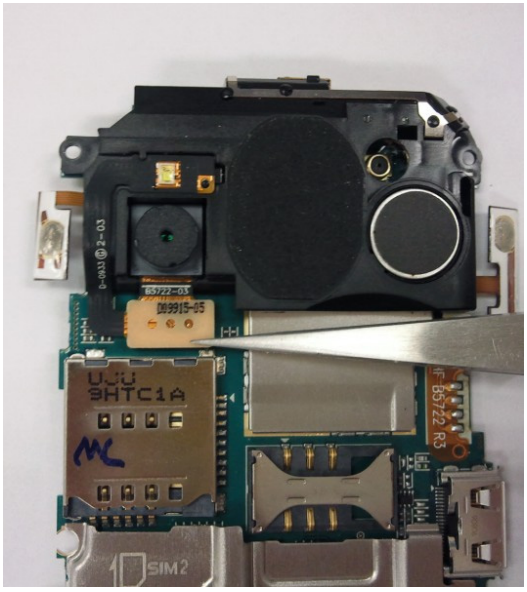
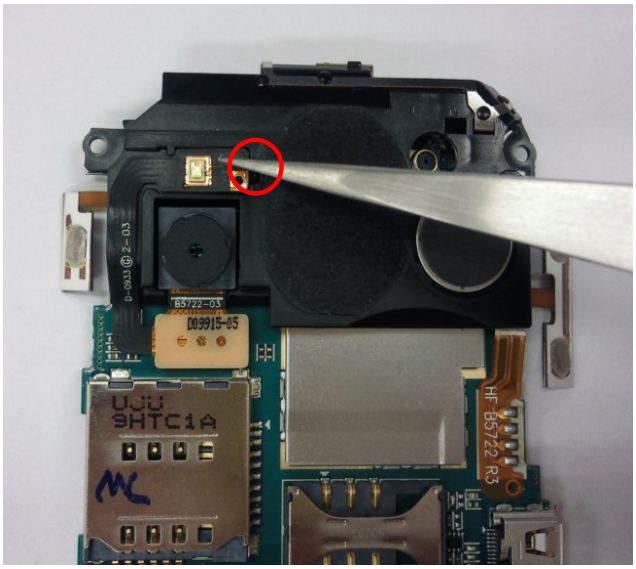
13 Unscrew Bracket 2 Points. 	**14** Separate Bracket.
15 Remove CIF Camera (1)  1.Separate CIF Camera Connector with Tweezer carefully.	**16** Remove CIF Camera (2)  1.Separate CIF Camera FPCB with Tweezer carefully using remove_aided spot.

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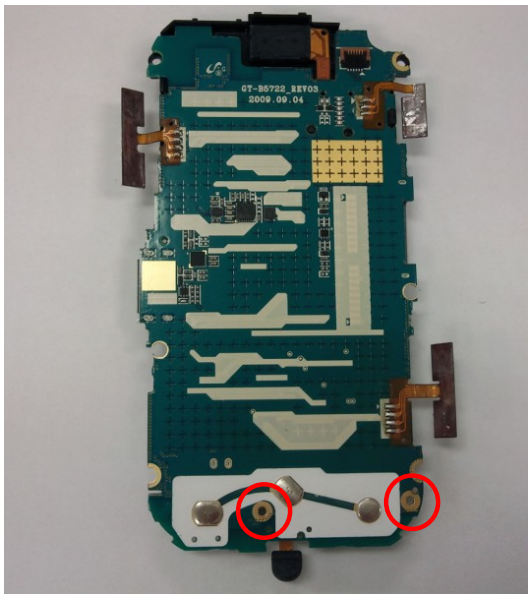
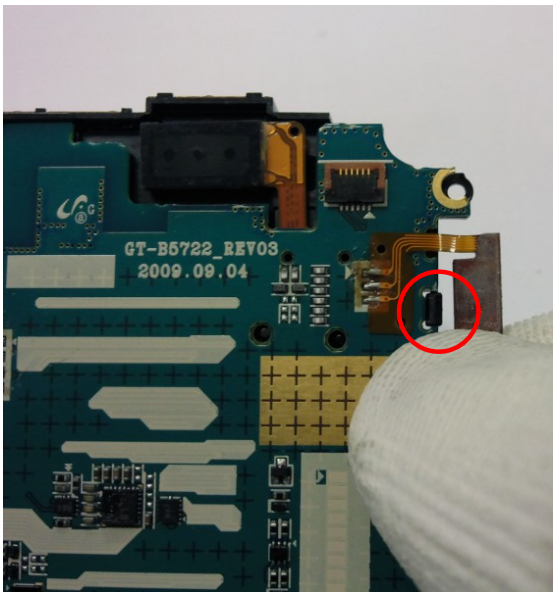
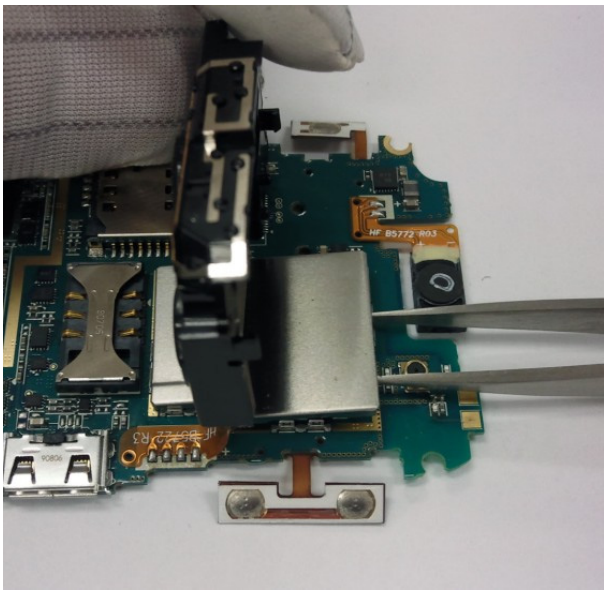
17 Unscrew Shield can 2 Points.	18 Disassemble Speaker Module
	
1.Unscrew Shield can 2 Points & Remove Shield can.	1.Spread right side Hook holding PBA first, then spread left side one.
19 Remove shield can	**20** Remove Keypad
	
1.lift up & Hold Speaker Module. (Be careful not to damage Speaker Module FPCB) 2. Remove shield can with tweezer carefully.	

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21 Separate LCD (1)	22 Separate LCD (2)
1.Separate LCD with tweezer carefully, using remove_aided spot. (Be careful not to damage LCD)	

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